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IDENTIFIERS	*Waste Water Treatment

ABSTRACT

This document provides information about instructional resources which complement a two-year post high school wastewater technology instructional program. Resources are identified by source codes, volume and module in which they are used, and a numerical listing. The descriptions include title, author, source, media type, application categories, subject area, educational level, and cost. Possible application of the program and schematics are provided in the last section of the document. The program criteria and curriculum guidelines are available in additional volumes related to this program. (CS)

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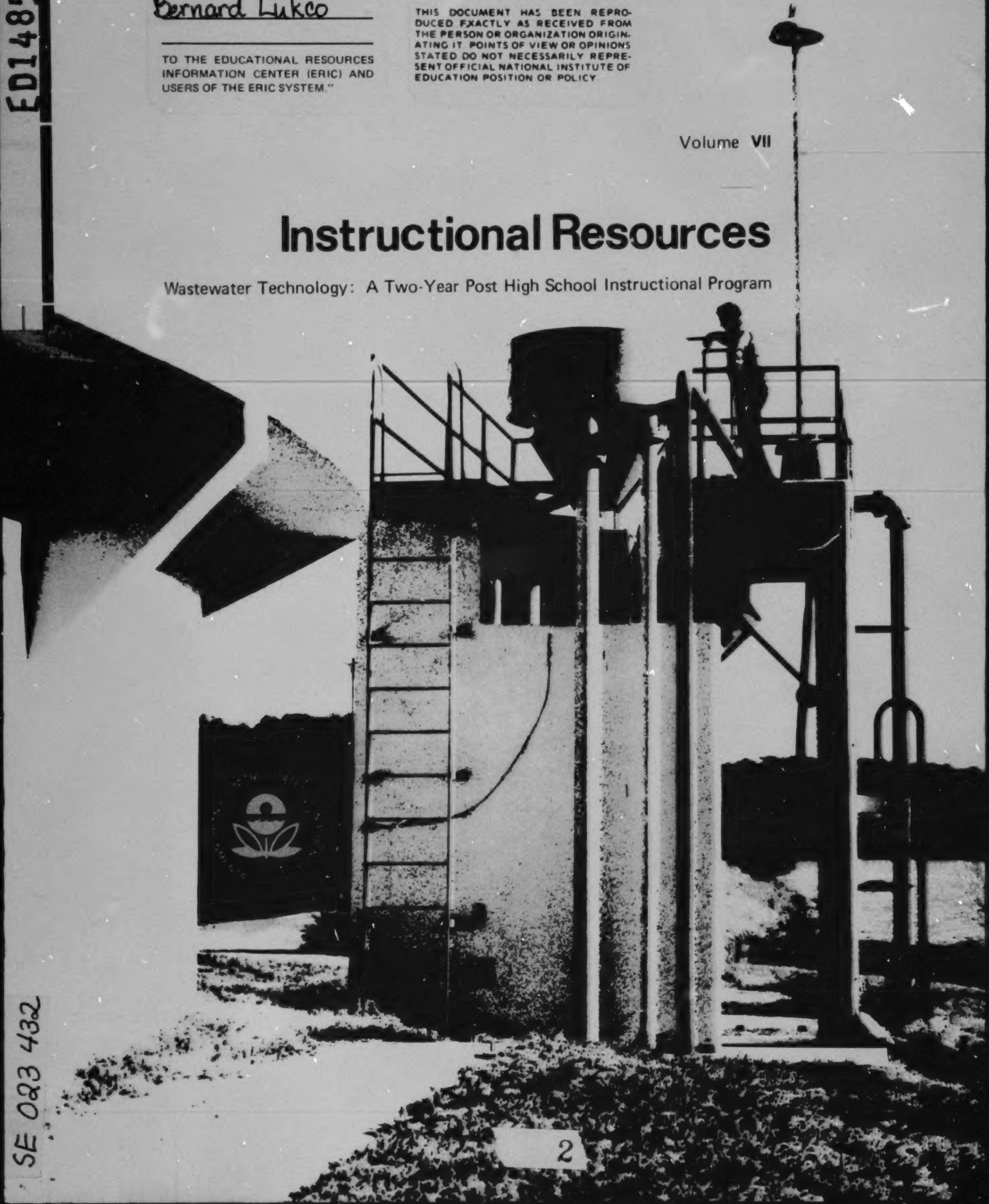
Volume VII

Instructional Resources

Wastewater Technology: A Two-Year Post High School Instructional Program



SE 023 432

The guides are available from:

Middle Atlantic Applied Technology Institute
Charles County Community College
P.O. Box 910
La Plata, Maryland 20646

Introduction to Environmental Technology	I	$ 3.00
Plant Operations for Wastewater Facilities	II	$10.00
Laboratory Control for Wastewater Facilities	III	$15.00
Management and Supervision Procedures for Wastewater Facilities	IV	$ 3.00
Process Interaction for Wastewater Facilities	V	$ 2.00
Advanced Waste Treatment	VI	$ 2.00
Instructional Resources	VII	$ 3.00

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INSTRUCTIONAL RESOURCES

An Instructor's Guide for Use of Instructional Material
In Wastewater Technology Training Programs

Funded by

US ENVIRONMENTAL PROTECTION AGENCY
Municipal Permits & Operations Division
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CHARLES COUNTY COMMUNITY COLLEGE
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GREENVILLE TECHNICAL COLLEGE
Greenville, South Carolina

LINN-BENTON COMMUNITY COLLEGE
Albany, Oregon

ENVIRONMENTAL SYSTEMS ENGINEERING
Clemson University
Clemson, South Carolina

April 1977

For Information

ON FUNDING OF INSTRUCTIONAL PROGRAMS

Manpower, Planning and Training Branch
MOTD/OWPO
US Environmental Protection Agency
Washington, DC 20460
202-426-7387

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Preface

Since 1970 Charles County Community College, Clemson University, Greenville Technical College and Linn-Benton Community College have been working together to prepare undergraduate students to enter occupations in water and wastewater treatment plant operations and maintenance. Through their efforts a two-year wastewater technology instructional program based on performance objectives has been developed and implemented.

Through a grant from the Environmental Protection Agency called *Criteria for the Establishment of Two-Year Post High School Wastewater Technology Programs (CEWT)* the four colleges set up program criteria and curriculum guidelines which are available in two volumes:

Program Implementation Procedures
Curriculum Guidelines, Criteria for Establishment and Maintenance of Two-Year Post High School Wastewater Technology Programs

As a result of the implementation of the instructional program at Charles County Community College, Greenville Technical College and Linn-Benton Community College, seven guides for instructors based on the course descriptions in *Program Implementation Procedures* and the general criterion behaviors of *Curriculum Guidelines* have been prepared. *Instructional Resources* is the seventh in the series which includes:

Volume I	*Introduction to Environmental Technology*
Volume II	*Plant Operations for Wastewater Facilities*
Volume III	*Laboratory Control for Wastewater Facilities*
Volume IV	*Management and Supervision Procedures for Wastewater Facilities*
Volume V	*Process Interaction for Wastewater Facilities*
Volume VI	*Advanced Waste Treatment*
Volume VII	*Instructional Resources*

ACKNOWLEDGEMENTS

Since the beginning of the project many persons at the four cooperating institutions, as well as outside consultants have participated in the development of this program. Their efforts which have provided source material for this guide have been acknowledged in the volumes to which they made major contributions. *Instructional Resources* has been written and produced by:

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Locating the Instructional Resources

In this volume three lists supply information about the instructional resources which are listed by code number in each module of volumes I through VI. These numbers are keyed to a computerized list of instructional resources, *Water Quality Instructional Resources Information System (IRIS)*, which is available from:

National Training Center
MOTD/OWPO
US Environmental Protection Agency
Cincinnati, OH 45268
513-684-7501

NUMERICAL LISTING

This computer list, organized numerically, provides a description of each instructional resource. The description includes the title, author, sources, media type, application categories and subject areas. Educational level, costs, publication date, copyright, an abstract and other remarks are indicated.

To locate a resource, find the number in the listing. Abbreviations are explained at the beginning of the list with the exception of the source code abbreviations. These appear in the list of source codes on page 165. Each number is prefaced by the letters EPAW which identify the computer program. These letters were omitted in the listings in the instructor's guides.

Resources 1001 to 1123 in *Introduction to Environmental Technology* are the only resources not keyed to *IRIS*. They are described on pages 37 to 45 in the appendix of *Introduction to Environmental Technology.*

LISTING BY VOLUME AND MODULE

This list provides an instant bibliography for each module in the instructor's guides. All the individual lists from the modules in volumes I through VI are repeated. See pages 3 to 156 for descriptions of the resources.

SOURCE CODES

All abbreviations of sources are listed alphabetically by code. The full name and address of the source is included. After determining which resources to use, an instructor refers to this list.

Numerical Listing

The abbreviations needed to understand this resource list follow. Source code abbreviations are explained by the list on pages 165 to 180 which also includes the address of the source. The numerical listing of resources begins on the next page.

Abbreviations

Copyright Code	C	copyright
	blank	no copyright
Type	AC	audio tape cassette
	AR	audio tape reel
	FS	35mm filmstrip
	MP	motion picture
	OT	overhead transparency
	PM	printed matter
	SL	35mm slide
	VC	video tape cassette
	VR	video tape reel
Category	D	design
	E	explanatory
	L	legal & regulatory
	M	monitoring & surveillance
	O	operations
	P	planning
	S	supervision
	T	theory
Educational Level	0	remedial
	1	basic
	2	intermediate
	3	advanced
Source	Consult list on page 165	
Cost	R	loan/rent/free
	P	purchase

```
EPAW00003
        GLOSSARY  WATER AND WASTEWATER CONTROL ENGINEERING                                                DATE: 69-00
        AUTHOR(S): WPCF                     AWWA                    TYPE(S): PM           CATEGORIES: E
        SOURCE(S): WPCF                     COST:     10.00 P       LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          GLOSSARIES
        REMARKS AND ABSTRACT:
        RPT. NO. 10003, AUTHORS: ASCE, APHA
        DEFINITIONS OF TERMS COMMONLY USED IN THE WATER AND WASTEWATER FIELDS.

EPAW00004
        STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER                                      DATE: 76-00
        AUTHOR(S): WPCF                     AWWA                    TYPE(S): PM           CATEGORIES: M O
        SOURCE(S): WPCF       APHA          COST:     28.00 P       LEVEL:   3            COPYRIGHT: C
        SUBJECT AREAS:
          ANALYTICAL TECHNIQUES         BIOLOGICAL ANALYSIS         CHEMICAL ANALYSIS          SAMPLING
        REMARKS AND ABSTRACT:
        RPT. NO. 10004, 14TH ED., AUTHORS: ASCE, APHA
        CONTAINS PROCEDURE FOR CONDUCTING COMMONLY ACCEPTED ANALYSES OF POTABLE WATER AND WASTEWATER EFFLUENTS,
        ALONG WITH INFORMATION ON EVALUATION OF RESULTS OF SUCH ANALYSIS.

EPAW00006
        WATER TREATMENT PLANT DESIGN                                                                      DATE: 69-00
        AUTHOR(S): AWWA                     ASCE                    TYPE(S): PM           CATEGORIES: D E T
        SOURCE(S): AWWA       ASCE          COST:     15.00 P       LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          TERTIARY TREATMENT            CHEMISTRY                   DISINFECTION               SEDIMENTATION
          PLANT CONSTRUCTION            WATER TREATMENT DESIGN      COSTS                      EQUIPMENT (PLANT)
          FILTRATION                    FLOCCULATION                PHYSICAL TREATMENT         WATER TREATMENT PLANTS
          RAPID SAND FILTERS
        REMARKS AND ABSTRACT:
        RPT. NO. 10006, AUTHOR: CONF. OF STATE SAN. ENGR.
        DESIGN INFORMATION FOR ALL PHASES OF WATER TREATMENT PLANTS.

EPAW00008
        WATER QUALITY AND TREATMENT  A HANDBOOK OF PUBLIC WATER SUPPLIES                                  DATE: 71-00
        AUTHOR(S): AWWA                                             TYPE(S): PM           CATEGORIES: E M O
        SOURCE(S): AWWA                     COST:     24.50 P       LEVEL:   3            COPYRIGHT: C
        SUBJECT AREAS:
          MANUALS                       WATER QUALITY               COAGULATION                FLOCCULATION
          DISINFECTION                  CORROSION                   CHEMISTRY                  FLUORIDATION
          RADIOACTIVITY                 SLUDGE CHARACTERISTICS
        REMARKS AND ABSTRACT:
        AWWA 3RD ED.  NO. 10008
        THEORY AND PRACTICAL INFORMATION CONCERNING WATER TREATMENT PROCESSES COMPILED BY PANEL OF EXPERTS IN THE FIELD.
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EPAW00012
         CROSS CONNECTIONS AND BACKFLOW PREVENTION                                                                      DATE: 74-00
         AUTHOR(S): ANGELE G J                                         TYPE(S): PM            CATEGORIES: O L
         SOURCE(S): AWWA                    COST:     7.00 P          LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           CROSS CONNECTIONS             BACKFLOW
         REMARKS AND ABSTRACT:
         PAPER BOUND, 2ND EDITION, 54 PP. ORDER HANDBOOK NO. 20106.
         CONTROLS, METHODS & DEVICES FOR THE PROTECTION OF POTABLE WATER SUPPLIES FROM NONPOTABLE SOURCES.

EPAW00013
         IMPROVING WATER TREATMENT OPERATIONS                                                                           DATE: 71-00
         AUTHOR(S): AWWA                                               TYPE(S): PM            CATEGORIES: D
         SOURCE(S): AWWA                    COST:     7.00 P          LEVEL:   3             COPYRIGHT: C
         SUBJECT AREAS:
           PLANT PERFORMANCE             RESERVOIRS                    CHEMISTRY                     FILTRATION
           FLOCCULATION                  SEDIMENTATION                 TASTE AND ODOR                CHLORINATION
           DISTRIBUTION SYSTEMS          MAINTENANCE (WATER)
         REMARKS AND ABSTRACT:
         RPT. NO. 20107  HANDBOOK FOR USE IN WORKSHOP ON IMPROVING WATER TREATMENT OPERATIONS
         LISTING OF USPHS DRINKING WATER STANDARD 1962
         AWWA WATER QUALITY GOALS
         CONTROL OF SUPPLY QUALITY
         TREATMENT PROCESSES AND THEIR IMPROVEMENT
         WATER QUALITY IN DISTRIBUTION SYSTEMS

EPAW00048
         AWWA STANDARD FOR FERROUS SULFATE                                                                              DATE: 68-00
         AUTHOR(S): AWWA                                               TYPE(S): PM            CATEGORIES: D M S
         SOURCE(S): AWWA                    COST:     3.00 P          LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           STANDARDS                     CHEMICAL TREATMENT            COAGULATION
         REMARKS AND ABSTRACT:
         B402-68  (NO. 42402)  12 PP.
         THIS STANDARD COVERS FERROUS SULFATE, EITHER IN GRANULAR (DRY) OR IN SOLUTION (LIQUID) FORM FOR USE IN THE
         TREATMENT OF POTABLE AND INDUSTRIAL WATER SUPPLIES.

EPAW00049
         AWWA STANDARD FOR ALUMINUM SULFATE  LUMP GROUND OR LIQUID                                                      DATE: 70-00
         AUTHOR(S): AWWA                                               TYPE(S): PM            CATEGORIES: D M S
         SOURCE(S): AWWA                    COST:     3.00 P          LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           STANDARDS                     CHEMICAL TREATMENT            COAGULATION
         REMARKS AND ABSTRACT:
         B403-70  (NO. 42403)  12 PP.
         THIS STANDARD COVERS ALUMINUM SULFATE, EITHER PURIFIED OR UNPURIFIED, AND IN LUMP, GROUND, OR LIQUID FORM
         FOR USE IN THE TREATMENT OF MUNICIPAL AND INDUSTRIAL WATER SUPPLIES.
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EPAW00050
         AWWA STANDARD FOR LIQUID SODIUM SILICATE                                                              DATE: 58-00
         AUTHOR(S): AWWA                                          TYPE(S): PM             CATEGORIES: D M S
         SOURCE(S): AWWA                   COST:     3.00 P       LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           STANDARDS                    CHEMICAL TREATMENT        CATHODIC PROTECTION          COAGULATION
         REMARKS AND ABSTRACT:
         B404-58  (NO. 42404)  8 PP.
         THESE SPECIFICATIONS COVER SODIUM SILICATE WHICH IS USED IN THE PREPARATION OF ACTIVATED SILICA FOR THE TREATMENT
         OF MUNICIPAL AND INDUSTRIAL WATER SUPPLIES AND FOR THE CONTROL OF CORROSION IN WATER SYSTEMS.

EPAW00051
         AWWA STANDARD FOR SODIUM ALUMINATE                                                                    DATE: 60-00
         AUTHOR(S): AWWA                                          TYPE(S): PM             CATEGORIES: D M S
         SOURCE(S): AWWA                   COST:     3.00 P       LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           STANDARDS                    CHEMICAL TREATMENT        COAGULATION
         REMARKS AND ABSTRACT:
         B405-60  (NO. 42405)  8 PP.
         THIS STANDARD COVERS SODIUM ALUMINATE FOR USE IN THE TREATMENT OF MUNICIPAL AND INDUSTRIAL WATER SUPPLIES.

EPAW00106
         STORY OF WATER SUPPLY                                                                                 DATE: 74-00
         AUTHOR(S): AWWA                                          TYPE(S): PM             CATEGORIES: E
         SOURCE(S): AWWA                   COST:     0.00 P       LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           UTILITIES                    WATER SUPPLY              PUBLIC RELATIONS
         REMARKS AND ABSTRACT:
         NO. 70001; ILLUSTRATED BOOKLET, 16 PAGES.  QUANTITY RATES ON REQUEST.
         PICTORIAL PRESENTATION OF DEVELOPMENT OF WATER SYSTEMS
         IN U.S.; TREATMENT PROCEDURES AND ACCOMPLISHMENTS
         OF WATER SUPPLY INDUSTRY.  AIMED AT ELEMENTARY
         AND JR. HIGH STUDENTS

EPAW00107
         YOUR WATER SUPPLY                                                                                     DATE: 76-99
         AUTHOR(S): AWWA                                          TYPE(S): PM             CATEGORIES: E
         SOURCE(S): AWWA                   COST:     0.00 P       LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           CONSERVATION                 PUBLIC RELATIONS          DISTRIBUTION SYSTEMS
         REMARKS AND ABSTRACT:
         NO. 70002 - ILLUSTRATED;  ENVELOPE STIFFER; QUANTITY RATES ON REQUEST
         "HOW-TO" INFORMATION ON DETECTING LEAKS, READING
         METERS, REPLACING FAUCET WASHERS, AND SAVING WATER.
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EPAW00108
         SUPERVISORS WORKSHOP                                                                                  DATE: 65-00
         AUTHOR(S): NFI                                                  TYPE(S): PM           CATEGORIES: S
         SOURCE(S): BBP       AWWA        COST:      2.00 P              LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           DECISION MAKING              COMMUNICATION                    SAFETY                          COSTS
           PERSONNEL
         REMARKS AND ABSTRACT:
         A TWELVE MONTH PORTFOLIO SUBSCRIPTION PROGRAM WITH OPTION TO CONTINUE THROUGH 48 MONTHLY INSTALLMENTS.
         A SELF-DEVELOPMENT PROGRAM FOR FIRST-LINE SUPERVISORS ENDORSED BY AWWA.
         THE PROGRAM IS CATEGORIZED INTO EIGHT SUBJECT HEADINGS THAT INVOLVE SUPERVISORY RESPONSIBILITY.
         COST REFLECTS INSTALLMENT PRICE PER MONTH.
         ORDERS ARE PLACED WITH BUREAU OF BUSINESS PRACTICE, NOT AWWA.
EPAW00109
         SOUNDS OF SUPERVISION                                                                                 DATE: 74-00
         AUTHOR(S): NFI                                                  TYPE(S): AC PM        CATEGORIES: S
         SOURCE(S): BBP       AWWA        COST:      7.45 P              LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           DECISION MAKING              SUPERVISION                      COMMUNICATION                   SAFETY
         REMARKS AND ABSTRACT:
         A TWELVE MONTH SUBSCRIPTION OF 30 MINUTE CASSETTE TAPES ACCOMPANIED BY THE SUPERVISOR'S PROBLEM SOLVING SERIES BOOKLET.
         AN AUDIO-TUTORIAL INSTRUCTIONAL MODE FOR FIRST-LINE SUPERVISORS ENDORSED BY AWWA.
         PREDOMINANT EMPHASIS ON EMPLOYEE RELATIONS AND PROBLEMS OF PERSONNEL PRACTICE.
         COST REFLECTS INSTALLMENT PRICE PER MONTH.
         ORDERS ARE PLACED WITH BUREAU OF BUSINESS PRACTICE, NOT AWWA.
EPAW00110
         EMERGENCY PLANNING FOR WATER UTILITY MANAGEMENT                                                       DATE: 73-00
         AUTHOR(S): AWWA                                                 TYPE(S): PM           CATEGORIES: P S
         SOURCE(S): AWWA                  COST:      6.00 P              LEVEL:   3            COPYRIGHT: C
         SUBJECT AREAS:
           EMERGENCY OPERATIONS (WATER)  DISASTERS                       PLANNING                        SAFETY
         REMARKS AND ABSTRACT:
         RPT:  AWWA M19, 94PP.
         DISCUSSES DISASTERS (NATURAL AND MAN MADE) AND THEIR EFFECTS, VULNERABILITY ASSESSMENT, PROTECTIVE MEASURES,
         EMERGENCY OPERATIONS PLANNING, AND TRAINING.  IMPACT ON PLANT CONSTRUCTION, WATERSHEDS, RESERVOIRS, STORAGE
         TANKS, PIPE SYSTEM, CONTAMINANTS, POWER, COMMUNICATION, AND TRANSPORTATION.  PROTECTIVE AND EMERGENCY
         MEASURES COVERED.  MODEL CONTINGENCY PLANS, CODE '10' SIGNALS, THE PHONETIC ALPHABET, AND
         TOXICITY LEVELS CONTAINED IN THE APPENDICES.  TABLES, GRAPHS, BIBL.
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EPA400119
         SAFETY IN WASTEWATER WORKS                                                                          DATE: 75-00
         AUTHOR(S): WPCF                                            TYPE(S): PM             CATEGORIES: O S
         SOURCE(S): WPCF                  COST:      0.00           LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           WASTEWATER TREATMENT PLANTS    SAFETY
         REMARKS AND ABSTRACT:
         MOP RPT. NO. 1
         INCLUDES INFORMATION ON SAFE PRACTICES IN THE DESIGN, OPERATION, AND MAINTENANCE OF WASTEWATER
         COLLECTION AND TREATMENT SYSTEMS.  AREAS DISCUSSED INCLUDE RESPONSIBILITIES, SAFETY PROGRAMS,
         OPERATIONS AND MAINTENANCE, NOXIOUS GASES AND VAPORS, OXYGEN DEFICIENCY, SAFETY PRACTICES,
         EQUIPMENT, ACCIDENT REPORTING, INVESTIGATION AND ANALYSIS.

EPA400120
         UNITS OF EXPRESSION FOR WASTES AND WASTE TREATMENT                                                  DATE: 76-00
         AUTHOR(S): WPCF                                            TYPE(S): PM             CATEGORIES: D M O T
         SOURCE(S): WPCF                  COST:      1.00 P         LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           ARITHMETIC                     DATA EVALUATION           MATHEMATICS                  MEASUREMENT
           STANDARDS
         REMARKS AND ABSTRACT:
         MOP RPT. NO. 6
         UNITS OF EXPRESSION ARE RECOMMENDED FOR PERTINENT FACTORS IN CHARACTERIZATION AND TREATMENT OF WASTES.  THE UNITS
         ARE RECOMMENDED IN THE HOPE THAT THEY WILL BECOME STANDARD THROUGH VOLUNTARY ACCEPTANCE AND USE.

EPA400121
         SEWER MAINTENANCE                                                                                   DATE: 66-00
         AUTHOR(S): WPCF                                            TYPE(S): PM             CATEGORIES: O S
         SOURCE(S): WPCF                  COST:      3.00 P         LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           COLLECTION SYSTEMS             CORRECTIVE MAINTENANCE    EMERGENCY OPERATIONS         EQUIPMENT (PLANT)
           MAINTENANCE                    OPERATIONS                SANITARY SEWERS
         REMARKS AND ABSTRACT:
         MOP RPT. NO. 7
         GUIDE TO MAINTAINING A COLLECTION SYSTEM IN SERVICEABLE CONDITION.  OUTLINES THE NEED FOR MAINTENANCE, DESIGN
         CONSIDERATIONS, SETTING UP A MAINTENANCE ORGANIZATION AND EQUIPMENT NEEDS.

EPA400122
         SEWAGE TREATMENT PLANT DESIGN                                                                       DATE: 59-00
         AUTHOR(S): WPCF                  ASCE                      TYPE(S): PM             CATEGORIES: D
         SOURCE(S): WPCF                  COST:      7.00 P         LEVEL:   3              COPYRIGHT: C
         SUBJECT AREAS:
           WASTEWATER TREATMENT PLANTS    WASTEWATER TREATMENT DESIGN  BIOLOGICAL TREATMENT      PRIMARY TREATMENT
           SLUDGE TREATMENT               CHEMICAL PRECIPITATION    TRICKLING FILTERS            CHLORINATION
           PLANT CONSTRUCTION             SAFETY                    CHEMICAL PROPERTIES          SEDIMENTATION
         REMARKS AND ABSTRACT:
         MOP-8, 179PP.
         SUMMARIZES AND INTERPRETS PRACTICES IN THE DESIGN OF SEWAGE TREATMENT PLANTS.  PROCESSES, EQUIPMENT AND STANDARDS
         USED BY ENGINEERS IN DESIGNING PLANTS DURING 1953/1955.  NO EVALUATION OF VARIOUS DESIGNS GIVEN.  EMPHASIZES DOMESTIC
         WASTES, THOUGH INDUSTRIAL WASTES BRIEFLY COVERED.  REPORTING COMMITTEE COMPOSED OF CONSULTANTS, EQUIPMENT
         MANUFACTURERS, HEALTH OFFICIALS, PLANT SUPERINTENDENTS/OPERATORS.
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EPAW00125
         OPERATION OF WASTEWATER TREATMENT PLANTS                                                               DATE: 70-00
         AUTHOR(S): WPCF                                           TYPE(S): PM            CATEGORIES: M O S
         SOURCE(S): WPCF                 COST:     4.00 P          LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           OPERATIONS (WASTEWATER)       SAMPLING                  PUMPS                       SCREENING AND GRINDING
           GRIT REMOVAL                  SEDIMENTATION             SLUDGE DIGESTION            SLUDGE CONDITIONING
           SLUDGE DEWATERING             SLUDGE DISPOSAL           DEGASIFICATION              TRICKLING FILTERS
           DISINFECTION                  GLOSSARIES                FLOW MEASUREMENT
         REMARKS AND ABSTRACT:
         RPT:  MOP-11, 195PP.
         EACH PROCESS SUCCINCTLY IDENTIFIED BY FUNDAMENTALS, PROCESS DESCRIPTION AND MANAGEMENT.  EMERGENCY OPERATIONS
         DESCRIBED WHERE PERTINENT; EQUIPMENT DESCRIPTIONS (EG. IMHOFF TANKS, ENGINES, PUMPS, ETC), AND ADMINISTRATIVE
         CONSIDERATIONS COVERED.  SOURCE OF BRIEF DEFINITIONS FOR ALL TREATMENT PROCESSES.  DETAILED TABLE OF CONTENTS.

EPAW00126
         ANAEROBIC SLUDGE DIGESTION                                                                             DATE: 68-00
         AUTHOR(S): WPCF                                           TYPE(S): PM            CATEGORIES: O
         SOURCE(S): WPCF                 COST:     3.00 P          LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           ANAEROBIC DIGESTION           SLUDGE DIGESTION          BIODEGRADATION              OPERATIONS
         REMARKS AND ABSTRACT:
         MOP RPT. NO. 16
         DESIGNED TO PROVIDE TREATMENT PLANT OPERATORS WITH THE FUNDAMENTAL THEORY OF ANAEROBIC SLUDGE DIGESTION
         AS IT CAN BE APPLIED TO SOLVING PLANT OPERATION PROCEDURES AND PROBLEMS.

EPAW00132
         WASTEWATER TREATMENT PLANT OPERATOR TRAINING COURSE 1                                                  DATE: 66-00
         AUTHOR(S): WPCF                                           TYPE(S): PM SL         CATEGORIES: O
         SOURCE(S): WPCF                 COST:     6.00 P          LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           BIOLOGICAL TREATMENT          OPERATIONS (WASTEWATER)
         REMARKS AND ABSTRACT:
         WPCF PUB. NO. 13
         CONTAINS 26 TOPICAL LECTURE OUTLINES SUPPLEMENTED BY 107 COLOR SLIDES.  IT IS DESIGNED TO GIVE THE OPERATOR A
         DESCRIPTION OF HIS ROLE AND OF THE VARIOUS PROCESSES INVOLVED IN WASTEWATER TREATMENT, AS WELL AS A BASIC
         UNDERSTANDING OF THE THEORY OF THESE PROCESSES.

EPAW00133
         WASTEWATER TREATMENT PLANT OPERATOR TRAINING  COURSE 2                                                 DATE: 67-00
         AUTHOR(S): WPCF                                           TYPE(S): PM SL         CATEGORIES: O S
         SOURCE(S): WPCF                 COST:    50.00 P          LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           INSTRUCTION                   OPERATIONS (WASTEWATER)   ANALYTICAL TECHNIQUES       HYDRAULICS
           PREVENTIVE MAINTENANCE        RECORD KEEPING            SLUDGE TREATMENT            STABILIZATION LAGOONS
           DISINFECTION                  SAMPLING                  SAFETY                      DATA EVALUATION
         REMARKS AND ABSTRACT:
         RPT:  PUB.NO. 14, 154PP.
         AUGMENTED BY 166 COLOR SLIDES, TRAINING GUIDE PROVIDES INSTRUCTOR WITH DETAILED COURSE OUTLINES FOR ALL WASTEWATER
         TREATMENT PROCESSES (EG. ANAEROBIC DIGESTION, TRICKLING FILTERS, ETC) AS WELL AS GENERAL INFORMATION ON HYDRAULICS,
         EQUIPMENT AND ADMINISTRATIVE ASPECTS OF PLANT OPERATION.  APPENDIX CONTAINS DESCRIPTION OF EACH COLOR SLIDE USED
         FOR COURSE.
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EPAW00139

MANUAL OF INSTRUCTION FOR WATER TREATMENT PLANT OPERATORS DATE: 70-00
AUTHOR(S): NY HES TYPE(S): PM CATEGORIES: O S
SOURCE(S): NY HES COST: 2.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
MANUALS
COAGULATION
RECORD KEEPING
OPERATIONS (WASTEWATER)
WATER CHARACTERISTICS
CHLORINATION
PREVENTIVE MAINTENANCE
CORROSION
MICROBIOLOGY
AERATION
ANALYTICAL TECHNIQUES
DISTRIBUTION SYSTEMS
FLUORIDATION
TASTE AND ODOR
HYDROLOGY
REMARKS AND ABSTRACT:
308 PP.
COMPACT REFERENCE MANUAL EMPHASIZING TREATMENT PROCESSES AND PROCEDURES SUPPORTED BY MANY TABLES, GRAPHS, AND MATHEMATICAL FORMULAS. ORIENTED TOWARD QUANTIFYING VARIABLES INVOLVED IN TREATMENT (EG. AMOUNT OF CHEMICALS, SAMPLING SPECIFICATIONS, ETC.). LITTLE EMPHASIS ON ADMINISTRATIVE ASPECTS. DETAILED TABLE OF CONTENTS. ILLUS, GRAPHS, TABLES, LIMITED BIBL, NO INDEX.

EPAW00140

MANUAL OF INSTRUCTION FOR SEWAGE TREATMENT PLANT OPERATORS DATE: 65-00
AUTHOR(S): NY HES TYPE(S): PM CATEGORIES: O M L S
SOURCE(S): NY HES COST: 1.50 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
SEWERS
RECORD KEEPING
SLUDGE TREATMENT
ANALYTICAL TECHNIQUES
PREVENTIVE MAINTENANCE
PRIMARY TREATMENT
OPERATIONS (WASTEWATER)
SAFETY
AQUATIC GROWTHS
SAMPLING
ARITHMETIC
REMARKS AND ABSTRACT:
243 PP.
PREPARED FOR GRADE 2 OPERATORS, WRITTEN PRIMARILY AS A TEXT TO BE USED IN CONJUNCTION WITH TRAINING COURSE. HEAVILY NARRATIVE, AVOIDS OVERLY TECHNICAL TREATMENT, AND PRESENTS MATERIAL CONCISELY. APPENDICES SUPPORT BACKGROUND MATERIAL (EG ARITHMETIC, CHEMISTRY, BACTERIOLOGY, ETC). GLOSSARY.

EPAW00141

OPERATION OF WASTEWATER TREATMENT PLANTS DATE: 70-00
AUTHOR(S): KERRI K TYPE(S): PM CATEGORIES: M O S T
SOURCE(S): SACRAMENTO COST: 25.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
PRIMARY TREATMENT
ACTIVATED SLUDGE
CHLORINATION
SAMPLING
SEDIMENTATION
DIGESTION
SAFETY
ARITHMETIC
PUMPS
SLUDGE TREATMENT
MAINTENANCE
OPERATIONS (WASTEWATER)
TRICKLING FILTERS
STABILIZATION LAGOONS
CHEMICAL ANALYSIS
REMARKS AND ABSTRACT:
APPROX. 1000 PP. INSTRUCTOR'S MANUAL, $10.00
WRITTEN BY EXPERIENCED OPERATORS WITH THE INTENT OF PROVIDING OPERATORS WITH THE INFORMATION THEY NEED TO KNOW TO OPERATE THEIR PLANTS AS EFFICIENTLY AS POSSIBLE. OPERATORS, PERSONS INTERESTED IN BECOMING OPERATORS, AND PERSONS INTERESTED IN THE OPERATION OF TREATMENT PLANTS WILL FIND VALUABLE INFO IN THE MANUAL. TOPICS COVERED INCLUDE DESCRIPTION OF PLANTS, RACKS, SCREENS, COMMINUTORS, GRIT REMOVAL, SEDIMENTATION, TRICKLING FILTERS, ACTIVATED SLUDGE, SLUDGE DIGESTION AND HANDLING, PONDS, CHLORINATION, MAINT, SAFETY, MATH, LAB, RECORD.

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EPAW00142
        ANALYSIS OF WASTE WATER SAMPLES                                                                           DATE: 76-99
        AUTHOR(S): NY DEPT OF HEALTH                                   TYPE(S): PM SL         CATEGORIES: M
        SOURCE(S): NY HES                 COST:   135.00 P             LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          CHLORINE RESIDUAL             P4                             SUSPENDED MATTER             DISSOLVED OXYGEN
          BIOCHEMICAL OXYGEN DEMAND     TOTAL COLIFORMS                CHLORINE DEMAND              VOLATILE ACIDS
          WASTEWATER CHARACTERISTICS    ANALYTICAL TECHNIQUES
        REMARKS AND ABSTRACT:
        35MM, 342 COLORED SLIDES, SCRIPT, ALSO INCLUDES METHYLENE BLUE
        DIRECITONS FOR PERFORMING 16 TESTS.

EPAW00143
        PROCEDURES FOR EVALUATING PERFORMANCE OF WASTEWATER TREATMENT PLANTS  A MANUAL                            DATE: 72-00
        AUTHOR(S): URS RESEARCH CO                                     TYPE(S): PM            CATEGORIES: M O P S
        SOURCE(S): EPA1                   COST:     0.00 P             LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          PLANT PERFORMANCE             MONITORING                     CORRECTIVE MAINTENANCE       PRIMARY TREATMENT
          SECONDARY TREATMENT           TERTIARY TREATMENT             TROUBLESHOOTING              OPERATIONS
          WASTEWATER TREATMENT PLANTS   SAMPLING
        REMARKS AND ABSTRACT:
        APPROX 150 PP.
        EVALUATION PROCEDURES FOR PLANT PERFORMANCE GIVEN INCLUDING USE OF PLANT OPERATIONAL DATA,
        AND SAMPLING/TESTING REQUIREMENTS.  OUTLINES PROBLEMS TYPICALLY ENCOUNTERED IN SPECIFIC TREATMENT
        PROCESSES, AND FOR EACH SITUATION LISTS INDICATORS, MONITORING AND ANALYSIS TECHNIQUES, AND A
        CHECKLIST OF CORRECTIVE PROCEDURES.  ALSO INFORMATION NECESSARY TO IDENTIFY AND CLASSIFY VARIOUS
        TYPES OF PLANTS GIVEN.  GLOSSARY, BIBL.

EPAW00145
        THREATENED TREASURES                                                                                      DATE: 76-00
        AUTHOR(S): FISHERMAN INFO                                      TYPE(S): MP            CATEGORIES: E
        SOURCE(S): MTP1                   COST:     0.00 R             LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          ENVIRONMENTAL CONTROL
        REMARKS AND ABSTRACT:
        16MM, 6 MIN., COLOR.
        EFFECT OF MAN ON HIS ENVIRONMENT.

EPAW00146
        ITS YOUR DECISION  CLEAN WATER  (OUT OF PRINT)                                                            DATE: 76-99
        AUTHOR(S): LWV                                                 TYPE(S): MP            CATEGORIES:
        SOURCE(S): MTP1                   COST:     0.00               LEVEL:                 COPYRIGHT:
        SUBJECT AREAS:
          WATER TREATMENT
        REMARKS AND ABSTRACT:
        16MM, 14 MIN., COLOR
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EPAW00147
         WATER FAMINE  (OUT OF PRINT)                                                                        DATE: 76-99
         AUTHOR(S): CBS                                            TYPE(S): MP             CATEGORIES:
         SOURCE(S): MTP1                  COST:      0.00          LEVEL:                  COPYRIGHT:
         SUBJECT AREAS:
           WATER TREATMENT
         REMARKS AND ABSTRACT:
         16MM, 30 MIN., BLACK & WHITE

EPAW00148
         CHOICE IS OURS                                                                                      DATE: 76-99
         AUTHOR(S):                                                TYPE(S): MP             CATEGORIES: E
         SOURCE(S): MTP1                  COST:      0.00 R        LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL EFFECTS
         REMARKS AND ABSTRACT:
         AUTHOR: COORDINATING COMMITTEE FOR UPPER MISS. R. COMP. WATER & REL. LAND RES. BASIN STUDY, 16MM, 28 MIN., COLOR.
         DISCUSSION OF WHAT MAN IS DOING TO HIS ENVIRONMENT.

EPAW00150
         FRESH WATER FROM WASTE WATER                                                                        DATE: 76-99
         AUTHOR(S): EPA                                            TYPE(S): MP             CATEGORIES: E
         SOURCE(S): MTP1       EPA R      COST:      0.00 R        LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           WATER REUSE
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR.
         EXPLANATION OF TREATMENT METHODS USED TO RENOVATE WASTEWATER.

EPAW00151
         BEARGRASS CREEK                                                                                     DATE: 61-00
         AUTHOR(S): ORSANCO               FINLEY                   TYPE(S): MP             CATEGORIES: E P
         SOURCE(S): FINLEY                COST:     20.00 R        LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           BIOLOGY                    DOMESTIC WASTEWATERS         WASTEWATER TREATMENT         ENVIRONMENTAL CONTROL
         REMARKS AND ABSTRACT:
         16MM, 20 MIN., COLOR; PURCHASE PRICE:  020000 P
         ENVIRONMENTAL PROBLEMS RESULING FROM MUNICIPAL WASTES.
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EPAW00153
         RIVER MUST LIVE                                                                                     DATE: 76-99
         AUTHOR(S): SHELL                                               TYPE(S): MP          CATEGORIES: E
         SOURCE(S): SHELL       EPA R         COST:                     LEVEL:   1           COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 21 MIN., COLOR.
         DRAMATIC FILM OF THE EFFECT OF MAN ON THE WATER ENVIRONMENT.

EPAW00155
         ECOLOGY OF FRESH WATER                                                                              DATE: 76-99
         AUTHOR(S): UNIV FILMS                                          TYPE(S): MP          CATEGORIES: E
         SOURCE(S): MCGRAW 2                  COST:     12.50 P         LEVEL:   1           COPYRIGHT: C
         SUBJECT AREAS:
           ECOSYSTEMS
         REMARKS AND ABSTRACT:
         16MM, 16 MIN., COLOR.
         INTRODUCTION TO AQUATIC ECOLOGY.

EPAW00156
         ANALYSIS OF WIT                                                                                     DATE: 76-99
         AUTHOR(S): LANSFORD                                            TYPE(S): OT          CATEGORIES: S
         SOURCE(S): LANSFORD                  COST:     79.95 P         LEVEL:   2           COPYRIGHT: C
         SUBJECT AREAS:
           COMMUNICATION
         REMARKS AND ABSTRACT:
         ORDER NO. FR201, 14 TRANSPARENCIES.
         WIT IS REGARDED TO FUNCTION SOLELY WITHIN THE PROVINCE OF LANGUAGE.  THE DEVELOPMENT AND THE BASIC FORMS OF
         WIT ARE MADE EXPLICIT.

EPAW00157
         YEAR OF DISASTER                                                                                    DATE: 76-99
         AUTHOR(S): CATERPILLAR                                         TYPE(S): MP          CATEGORIES: E
         SOURCE(S): MTP2                      COST:      0.00 R         LEVEL:   1           COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL EFFECTS
         REMARKS AND ABSTRACT:
         16MM, 28 MIN., COLOR.
         WHAT MAN IS DOING TO HIS ENVIRONMENT.
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EPAW00158
         GROUND WATER  THE HIDDEN RESERVOIR                                                                           DATE: 71-00
         AUTHOR(S): SANDERS J                 ELLWOOD R B              TYPE(S): MP            CATEGORIES: T
         SOURCE(S): WILEY                     COST:     50.00 R        LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           GROUNDWATER
         REMARKS AND ABSTRACT:
         16MM, 19 MIN., COLOR.
         BRONZE MEDAL WINNER, PRESENTED AT THE ATLANTA INTERNATIONAL FILM FESTIVAL.  EXPLAINS THE ORIGINS OF GROUND WATER
         AND DEFINES SUCH TOPICS AS PERMEABILITY, IMPERMEABILITY, WATER TABLE, ARTESIAN CONDITIONS, GEYSER, HARD WATER,
         CAVERN FORMATION, ETC.

EPAW00159
         NATURES PLAN  LIVING WATER SERIES                                                                            DATE: 76-99
         AUTHOR(S): BRITANNICA                                                 TYPE(S): MP            CATEGORIES: T
         SOURCE(S): BRITANNICA                COST:      8.00 R        LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           HYDROLOGY                        WATER RESOURCES
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR (NO. 712); PRODUCED BY THE CONSERVATION FOUNDATION IN ASSOCIATION WITH THE N.Y. ZOOLOGICAL SOCIETY.
         DESCRIBES THE WATER CYCLE AS NATURE'S PLAN FOR PROVIDING ALL LIVING THINGS WITH LIFE-GIVING WATER.  NATURAL AND
         TIME-LAPSE PHOTOGRAPHY PLUS ANIMATED DRAWINGS CLARIFY THE MECHANICS OF THE WATER CYCLE AND DESCRIBE WATER CYCLE
         PATTERNS IN NORTH AMERICA.

EPAW00160
         OIL AND GAS ENGINES                                                                                          DATE: 76-99
         AUTHOR(S): POWER MAG                                                  TYPE(S): PM            CATEGORIES: O
         SOURCE(S): POWER MAG                 COST:      1.75 P        LEVEL:   2             COPYRIGHT:
         SUBJECT AREAS:
           ENGINES
         REMARKS AND ABSTRACT:
         32PP.
         COMPREHENSIVE REVIEW OF OIL AND GAS ENGINES.  INCLUDED ARE THE ROTARY AND RADIAL MODELS, INTEGRAL ENGINE/COMPRESSOR
         DESIGN, GOVERNORS.  LATEST METHODS OF SCAVENGING, SUPERCHARGING, ETC.

EPAW00162
         FIRST FIFTEEN YEARS  (OUT OF PRINT)                                                                          DATE: 76-99
         AUTHOR(S): ORSANCO                                                    TYPE(S): MP            CATEGORIES:
         SOURCE(S): FINLEY                    COST:      0.00          LEVEL:                 COPYRIGHT:
         SUBJECT AREAS:

         REMARKS AND ABSTRACT:
         16MM, 25 MIN., COLOR
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EPAW00163
        DIRTY WATER                                                                                          DATE: 70-00
        AUTHOR(S): ANDERSON J              TRILLING H              TYPE(S): PM          CATEGORIES: E
        SOURCE(S): HEAD BOX                COST:      0.00 P       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          ECOSYSTEMS                     PUBLIC EDUCATION          INSTRUCTIONAL GAMES
        REMARKS AND ABSTRACT:
        SIMULATION GAME FOR AGES 12-19.  2-4 PLAYERS.  2 HOURS PLAYING TIME.
        TO MAINTAIN AN ECOLOGICALLY BALANCED LAKE, PLAYERS, IN THE ROLE OF WATER POLLUTION CONTROL OFFICIALS, STRIVE TO
        CONTROL POLLUTION WHILE BALANCING POLITICAL AND MONETARY FACTORS ALONG WITH MUNICIPAL GROWTH.

EPAW00164
        FIRST POLLUTION                                                                                      DATE: 72-00
        AUTHOR(S): FINLEY                                          TYPE(S): MP          CATEGORIES: E P
        SOURCE(S): FINLEY      MTP1        COST:     30.00 R       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          BIOLOGY                        WATER QUALITY             COLLECTION SYSTEMS         ENVIRONMENTAL CONTROL
          DOMESTIC WASTEWATERS
        REMARKS AND ABSTRACT:
        16MM, 26., COLOR; RENTAL FROM MTP-1 FREE; PURCHASE PRICE:  333000 P.
        A MOTION PICTURE ABOUT MUNICIPAL AND INDUSTRIAL WASTE COLLECTION AND DISPOSAL.

EPAW00165
        RENAISSANCE OF A RIVER                                                                               DATE: 65-00
        AUTHOR(S): INTER AGY COMM          FINLEY                  TYPE(S): MP          CATEGORIES: E P
        SOURCE(S): FINLEY                  COST:     20.00 R       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          BIOLOGY                        RIVERS                    ENVIRONMENTAL CONTROL      WATER QUALITY
          DOMESTIC WASTEWATERS           ENVIRONMENTAL CONTROL     WASTEWATER TREATMENT
        REMARKS AND ABSTRACT:
        16MM, 20 MIN., COLOR; PURCHASE PRICE:  020000 P
        WATER QUALITY MANAGEMENT IN THE SUSQUEHANNA RIVER BASIN.

EPAW00166
        ECOLOGY                                                                                              DATE: 70-00
        AUTHOR(S): COLLINS R               ROSEN R                 TYPE(S): PM          CATEGORIES: E
        SOURCE(S): URBAN INST              COST:     10.00 P       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          ECOSYSTEMS                     PUBLIC EDUCATION          INSTRUCTIONAL GAMES
        REMARKS AND ABSTRACT:
        SIMULATION GAME FOR AGES 13 AND UP.  5 TO 13 PLAYERS.  1-3 HRS. PLAYING TIME.
        PARTICIPANTS ATTEMPT TO LEAD A POPULATION SAFELY THROUGH THE HISTORY OF CONFLICT BETWEEN MAN'S INVENTIVE GENIUS
        AND HIS ENVIRONMENT.
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EPAW00168
         GIFTS                                                                                                  DATE: 70-00
         AUTHOR(S): EPA                                             TYPE(S): MP             CATEGORIES: E
         SOURCE(S): MTP2                    COST:     0.00 R        LEVEL:   1              COPYRIGHT:
         SUBJECT AREAS:
           ENVIRONMENTAL CONTROL        WATER QUALITY
         REMARKS AND ABSTRACT:
         RUNNING TIME 30 MINUTES,--EXCELLENT FOR GENERAL PUBLIC, SECONDARY LEVEL ON.  ORIGINATED BY FWQA.
         ECOLOGICAL TRIP ABOUT ALL FORMS OF POLLUTION.  THE GIFTS WAS FILMED NATIONWIDE IN 18 STATES AND THE
         DISTRICT OF COLUMBIA, IN EVERY REGION OF THE COUNTRY.  THE FILM IS NARRATED BY LORNE GREENE.  THE
         ORIGINAL SCORE WAS WRITTEN, ARRANGED AND CONDUCTED BY SKITCH HENDERSON.

EPAW00169
         DETECTING WATER POLLUTION                                                                              DATE: 76-99
         AUTHOR(S): VALKENBERG G V                                  TYPE(S): MP             CATEGORIES: E
         SOURCE(S): UNIV CA                 COST:    13.00 R        LEVEL:   1              COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 30 MIN., BLACK & WHITE.
         GENERAL DESCRIPTION OF PROCEDURES FOR DETERMINING IF WATER IS POLLUTED.

EPAW00170
         MAJESTIC POLLUTED HUDSON                                                                               DATE: 76-99
         AUTHOR(S): CBS NEWS                                        TYPE(S): MP             CATEGORIES: E
         SOURCE(S): AIM                     COST:    12.50 R        LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL EFFECTS        RIVERS                      HUDSON RIVER
         REMARKS AND ABSTRACT:
         (BS-842) 16MM, 26 MIN., COLOR.
         TV DOCUMENTATION ON THE DEGRADATION OF THE HUDSON RIVER DUE TO THE POLLUTION OVER THE LAST FEW DECADES.

EPAW00171
         WATER WATER EVERYWHERE  OBSERVING THINGS ABOUT US                                                      DATE: 76-99
         AUTHOR(S): CORONET                                         TYPE(S): MP             CATEGORIES: E
         SOURCE(S): CORONET                 COST:   134.00 P        LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           HYDROLOGY
         REMARKS AND ABSTRACT:
         16MM, 11 MIN., COLOR.
         SHOWS THE IMPORTANCE OF THE WATER AROUND US--BOTH SEEN AND UNSEEN.  SHOWS HOW WATER EVAPORATES, HOW CLOUDS ARE
         FORMED, AND WHY RAIN FALLS.  AWARD OF MERIT, BOSTON FILM FESTIVAL.
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EPAW00173
         OIL SPOIL                                                                                                             DATE: 76-99
         AUTHOR(S): SIERRA CLUB                                                  TYPE(S): MP           CATEGORIES: E
         SOURCE(S): ASSC STERL               COST:     0.00 R                    LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           ENVIRONMENTAL EFFECTS         SPILLS (OIL)
         REMARKS AND ABSTRACT:
         16MM, 17 MIN., COLOR.
         EFFECTS OF AN OIL SPILL ON THE ENVIRONMENT.

EPAW00175
         OIL ON THE RIVER                                                                                                      DATE: 61-00
         AUTHOR(S): ORSANCO                  FINLEY                              TYPE(S): MP           CATEGORIES: E D P T
         SOURCE(S): FINLEY                   COST:    30.00 R                    LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           SPILLS (OIL)                  ENVIRONMENTAL CONTROL                   EMERGENCY OPERATIONS (WASTE)
         REMARKS AND ABSTRACT:
         16MM, 23 MIN., COLOR; PURCHASE PRICE: 032504 P
         ILLUSTRATING PROPER METHODS OF HANDLING OIL TO PREVENT POLLUTION.

EPAW00176
         WATER POLLUTION  CAN WE KEEP OUR WATER CLEAN                                                                          DATE: 76-99
         AUTHOR(S): WERRENRATH R                                                 TYPE(S): MP           CATEGORIES: E
         SOURCE(S): JNL FILMS                COST:   145.00 P                    LEVEL:   1            COPYRIGHT: C
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 13 MIN., COLOR.
         EFFECT OF MAN ON HIS WATER ENVIRONMENT.

EPAW00177
         HOW OUR TOWN SAVED THE RIVER                                                                                          DATE: 71-00
         AUTHOR(S): PCA                                                          TYPE(S): MP           CATEGORIES:
         SOURCE(S): PCA                      COST:     8.00 R                    LEVEL:   I            COPYRIGHT:
         SUBJECT AREAS:
           PUBLIC RELATIONS              WATER QUALITY                           ENVIRONMENTAL CONTROL        PUBLIC PARTICIPATION
         REMARKS AND ABSTRACT:
         16MM, 25 MIN., COLOR
         A PUBLIC SERVICE FILM FOR USE IN COMMUNITIES WHERE PUBLIC EDUCATION CAMPAIGNS ARE NEEDED TO HELP SELL WATER
         POLLUTION CONTROL FACILITIES.  THE STRUGGLE AND METHODS USED TO GAIN CITIZEN SUPPORT FOR THE PROPOSED BOND ISSUE
         ARE REVIEWED IN SOME DETAIL.  THE RESULT, A CLEAN RIVER THAT AGAIN SUPPORTS RECREATION AND INDUSTRIAL USES, IS
         PLEASINGLY ILLUSTRATED.
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EPAW00178
         WATER POLLUTION                                                                                  DATE: 76-99
         AUTHOR(S): RUBENSTEIN                                     TYPE(S): MP           CATEGORIES: E
         SOURCE(S): STERLING           COST:   135.00 P            LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 10 MIN., COLOR.
         REVIEW OF MANS EFFECTS ON THE WATER ENVIRONMENT.

EPAW00179
         MAN AND HIS NATURAL ENVIRONMENT  THE CREEK                                                       DATE: 71-00
         AUTHOR(S): THEODORE HAMM CO                               TYPE(S): MP           CATEGORIES: E
         SOURCE(S): FILM CO            COST:    15.00 R            LEVEL:   0            COPYRIGHT: C
         SUBJECT AREAS:
           PUBLIC PARTICIPATION          WATER QUALITY             STREAMS                      ENVIRONMENTAL CONTROL
         REMARKS AND ABSTRACT:
         16 MM FILM, 26 MIN., COLOR; PURCHASE PRICE $200.00.
         "THE CREEK" SHOWS THE PYSICAL STRUCTURE AND THE LIFE FORMS OF THE COMPLEX CREEK COMMUNITY, AND DEPICTS THE SOCIAL
         ACTION INVOLVED IN A COMMUNITY WORKING TOGETHER TO PRESERVE AND RECLAIM ITS CREEKS.  THE FIRST PORTION EXAMINES
         THE HEALTHY LIVING CREEK; THE SECOND PORTION EXAMINES THE CARELESS USE AND WANTON DESTRUCTION OF THE CREEK AND
         ITS ENVIRONMENT; THE FINAL PORTION DEALS WITH CORRECTIVE MEASURES TO BE TAKEN TO RECLAIM THOSE CREEKS WHICH ARE
         PRESENTLY IN POOR CONDITION.

EPAW00180
         STREAM                                                                                           DATE: 75-99
         AUTHOR(S): COMMUNICO                                      TYPE(S): MP           CATEGORIES: E
         SOURCE(S): ACI FILMS          COST:   210.00 P            LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           STREAMS                       WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR.
         GENERAL FILM ON LIFE IN A STREAM.

EPAW00181
         AGING OF LAKES                                                                                   DATE: 76-99
         AUTHOR(S): BRITANNICA                                     TYPE(S): MP           CATEGORIES: T
         SOURCE(S): BRITANNICA         COST:     8.00 R            LEVEL:   1            COPYRIGHT: C
         SUBJECT AREAS:
           LAKES                         ECOSYSTEMS
         REMARKS AND ABSTRACT:
         (NO. 3023) 16MM, 14 MIN., COLOR; PURCHASE PRICE: $167.50
         ZEROES IN ON HOW MAN IS SPEEDING UP THE NATURAL AGING PROCESS OF LAKES BY SHOWING EXAMPLES OF INDISCRIMINATE
         DISPOSAL OF FERTILIZERS, SEWAGE, AND INDUSTRIAL WASTE.
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EPAW00182
         LAKES  AGING AND POLLUTION                                                                      DATE: 71-02
         AUTHOR(S): CENTRON                                   TYPE(S): MP          CATEGORIES: E T
         SOURCE(S): CENTRON            COST:   215.00 P       LEVEL:   1           COPYRIGHT: C
         SUBJECT AREAS:
           LAKES                    LIMNOLOGY
         REMARKS AND ABSTRACT:
         16MM FILM, 15 MIN., COLOR.

EPAW00183
         WHO KILLED LAKE ERIE                                                                            DATE: 76-99
         AUTHOR(S): NBC                                       TYPE(S): MP          CATEGORIES: E
         SOURCE(S): FILMS INC          COST:    25.00 R       LEVEL:   1           COPYRIGHT:
         SUBJECT AREAS:
           GREAT LAKES              ENVIRONMENTAL EFFECTS     LAKES
         REMARKS AND ABSTRACT:
         16MM, 51 MIN., COLOR.
         GENERAL INTRODUCTION TO LAKE ERIE'S PROBLEMS.

EPAW00184
         HOW TO MAKE A DIRTY RIVER                                                                       DATE: 76-99
         AUTHOR(S): NBC                                       TYPE(S): MP          CATEGORIES: E
         SOURCE(S): FILMS INC          COST:    15.00 R       LEVEL:   1           COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 27 MIN., COLOR.
         GENERAL INTRODUCTION TO WATER POLLUTION.

EPAW00185
         ANAEROBIC DIGESTION AND ANALYTICAL CONTROL                                                      DATE: 72-00
         AUTHOR(S): EPA                                       TYPE(S): PM SL AC    CATEGORIES: D S
         SOURCE(S): EPA2               COST:     0.00 R       LEVEL:   3           COPYRIGHT:
         SUBJECT AREAS:
           ANAEROBIC DIGESTION      BACTERIA                  VOLATILE ACIDS              ORGANIC NITROGEN
           ALKALINITY               PH                        GASES
         REMARKS AND ABSTRACT:
         UNIT:  XT-34, 13 MIN TAPE, 62 SL, SCRIPT.
         DISCUSSION OF THE ANAEROBIC DECOMPOSITION PROCESSES UTILIZED TO TREAT ORGANIC MATERIALS IN WASTES, THE ENVIRONMENTAL
         CONDITIONS REQUIRED FOR THE INVOLVED BACTERIA, AND A DESCRIPTION OF THE RELATED PROCESS CONTROL ANALYSES:  VOLATILE
         ACIDS (STEPWISE PROCEDURE GIVEN), ALKALINITY, TOTAL ORGANIC NITROGEN CONTENT, TOTAL ORGANIC LOAD, PH AND GAS
         PRODUCTION.
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EPAW00186
         GOOD RIDDANCE  (OUT OF PRINT)                                                                         DATE: 76-99
         AUTHOR(S): ORSANCO                                           TYPE(S): MP              CATEGORIES:
         SOURCE(S): FINLEY                   COST:      0.00          LEVEL:                   COPYRIGHT:
         SUBJECT AREAS:

         REMARKS AND ABSTRACT:
         16MM,25 MIN., COLOR

EPAW00187
         DEVELOPMENT OF A WATER QUALITY MANAGEMENT PROGRAM FOR DELAWARE RIVER BASIN                            DATE: 63-07
         AUTHOR(S): CLEARY E J               BANKS H D                TYPE(S): PM              CATEGORIES: L M P
         SOURCE(S): DRBC                     COST:      0.50 P        LEVEL:    2              COPYRIGHT:
         SUBJECT AREAS:
           ADMINISTRATIVE AGENCIES        DATA EVALUATION             DECISION MAKING                ENVIRONMENTAL CONTROL
           LAWS AND REGULATIONS           PLANNING                    MONITORING
         REMARKS AND ABSTRACT:
         AUTH:  KNEESE, AV
         A WATER QUALITY MANAGEMENT PROGRAM WAS RECOMMENDED FOR IMPLEMENTATION BY THE DELAWARE RIVER BASIN COMMISION ENCOMPASS-
         ING DATA COLLECTION AND ANALYSES, RESEARCH AND INVESTIGATIONS, ACTIVE PARTICIPATION IN THE DELAWARE ESTUARY COMPREHEN-
         SIVE STUDY, CONTINUITY WITH THE INCODEL PROGRAM, MONITORING OF COMPLIANCE WITH COMMISSION STANDARDS, ESTABLISHMENT OF
         A WATER QUALITY EMERGENCY WARNING SYSTEM, AND PERIODIC AERIAL AND BOAT SURVEILLANCE.
EPAW00191
         MUD                                                                                                   DATE: 68-00
         AUTHOR(S): FINLEY                                            TYPE(S): MP              CATEGORIES: E O P T
         SOURCE(S): FINLEY                   COST:     22.50 R        LEVEL:    2              COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL CONTROL          URBAN IMPACT                SEDIMENTATION                  EROSION
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 23 MIN., COLOR; PURCHASE PRICE: $225.00
         ILLUSTRATING METHODS OF PREVENTING URBAN EROSION AND SEDIMENTATION.

EPAW00192
         SPRAY IRRIGATION OF WASTE EFFLUENT AND STATE WATER POLLUTION CONTROL REPORTS                          DATE: 71-00
         AUTHOR(S): MD ICPRB                                          TYPE(S): PM              CATEGORIES: P
         SOURCE(S): MD ICPRB                 COST:      0.00 P        LEVEL:    3              COPYRIGHT:
         SUBJECT AREAS:
           SPRAY IRRIGATION
         REMARKS AND ABSTRACT:
         20 PAGES
         PROCEEDINGS OF THE ANNUAL FALL MEETING HELD SEPTEMBER 23-24, 1971 IN CHAMBERSBURG, PA BY ICPRB.
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EPAW00193
         POTOMAC RIVER SANITATION COMPACT                                                                        DATE: 70-09
         AUTHOR(S): MD ICPRB                                               TYPE(S): PM             CATEGORIES: P
         SOURCE(S): MD ICPRB                COST:      0.00 P              LEVEL:   3              COPYRIGHT:
         SUBJECT AREAS:
           ADMINISTRATIVE AGENCIES          ADMINISTRATIVE AGENCIES        POTOMAC                        AGREEMENTS AND CONTRACTS
           REGIONALIZATION
         REMARKS AND ABSTRACT:
         9 PAGES
         COMPACT CREATING THE POTOMAC VALLEY CONSERVANCY DISTRICT AND THE INTERSTATE COMMISSION ON THE POTOMAC RIVER BASIN.
         ARTICLES OF ORGANIZATION OF THE ICPRB INCLUDED.

EPAW00194
         WATER RESOURCES MANAGEMENT IN THE UPPER POTOMAC BASIN                                                   DATE: 70-00
         AUTHOR(S): MD ICPRB                                               TYPE(S): PM             CATEGORIES: P
         SOURCE(S): MD ICPRB                COST:      0.00 P              LEVEL:   3              COPYRIGHT:
         SUBJECT AREAS:
           CONSERVATION                     POTOMAC                        WATER QUALITY                  WATER RESOURCES
           PLANNING
         REMARKS AND ABSTRACT:
         130 PAGES
         REPORT OF ANNUAL FALL PUBLIC MEETING HELD NOV 5-6, 1970 IN HARRISONBURG, VA. BY ICPRB.

EPAW00195
         STATEMENT OF COMMISSION OBJECTIVES AND GOALS                                                            DATE: 71-03
         AUTHOR(S): MD ICPRB                                               TYPE(S): PM             CATEGORIES: P
         SOURCE(S): MD ICPRB                COST:      0.00 P              LEVEL:   3              COPYRIGHT:
         SUBJECT AREAS:
           REGIONALIZATION                  OBJECTIVES AND GOALS           POTOMAC                        ADMINISTRATIVE AGENCIES
         REMARKS AND ABSTRACT:
         7 PAGES
         OUTDATED.

EPAW00196
         BEARINGS  ANTI FRICTION                                                                                 DATE: 76-99
         AUTHOR(S): DUPONT                                                 TYPE(S): PM             CATEGORIES: O
         SOURCE(S): DUPONT                  COST:     16.00 P              LEVEL:   2              COPYRIGHT:
         SUBJECT AREAS:
           BEARINGS                         PREVENTIVE MAINTENANCE
         REMARKS AND ABSTRACT:
         NO. 07; AVERAGE INSTRUCTION TIME:  10 HRS.
         IDENTIFICATION AND CARE OF ANTI-FRICTION BEARINGS;  CYLINDRICAL, SPHERICAL, AND TAPERED ROLLER BEARINGS; BALL
         AND NEEDLE BEARINGS; AND RADIAL AND THRUST TYPE BEARINGS.  HIGHLIGHTS OF THE COURSE INCLUDE:  CARE IN CLEANING
         AND HANDLING; LOAD CAPACITY; INSTALLATION AND REMOVAL PROCEDURES; AND TOLERANCE, CLEARANCE, AND FITS FOR ANTI-
         FRICTION BEARINGS.
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EPAW00197
        BEARINGS  PLAIN                                                                                DATE: 76-99
        AUTHOR(S): DUPONT                                         TYPE(S): PM              CATEGORIES: O D
        SOURCE(S): DUPONT                 COST:     13.25 P       LEVEL:   2               COPYRIGHT:
        SUBJECT AREAS:
          BEARINGS
        REMARKS AND ABSTRACT:
        NO. 06; 8 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION AND USE OF BUSHINGS, SLEEVE BEARINGS, AND THRUST BEARINGS.  HIGHLIGHTS INCLUDE:
        FUNCTIONS OF A BEARING; MATERIALS OF CONSTRUCTION; INSERTS; BUSHINGS; CONCEPT OF THRUST; OPERATION OF THRUST
        BEARINGS, BEARING SURFACES; INSTALLATION OF BUSHINGS, INSERTS; ELEMENTS OF SLEEVE BEARINGS; BEARING TOLERANCE,
        CLEARANCE; SERVICE REQUIREMENTS; SYMPTOMS, CAUSES, AND TYPES OF PLAIN BEARING FAILURES.

EPAW00202
        CHAINS AND SPROCKETS  ROLLER CHAINS                                                            DATE: 76-99
        AUTHOR(S): DUPONT                                         TYPE(S): PM              CATEGORIES: O D
        SOURCE(S): DUPONT                 COST:     11.75 P       LEVEL:   2               COPYRIGHT:
        SUBJECT AREAS:
          EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 55; 7 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION OF ROLLER CHAINS, PARTS OF CHAINS, AND TYPES OF LINKS, INCLUDING PIN LINKS, ROLLER LINKS, CONNECTING
        LINKS, AND OFFSET LINKS; PRESS FITS AND SLIP FITS IN CHAINS; HOW TO FIND AND IDENTIFY "PITCH" OF ROLLER CHAINS;
        STANDARD AND ASA ROLLER CHAINS; HOW TO IDENTIFY A CHAIN BY IT ASA NUMBER, INCLUDING LIGHT, NORMAL, AND HEAVY-DUTY
        ROLLER CHAINS, STRANDS OF CHAIN, DOUBLE-PITCH CHAIN, AND ROLLERLESS CHAINS; USE OF CATALOGS OF ROLLER CHAINS AND
        HOW TO DETERMINE LENGTH AND THE NUMBER OF "PITCHES" IN A PIECE OF CHAIN; HOW TO USE ROLLER CHAIN PITCH CONVERSION CHARTS

EPAW00203
        CHAINS AND SPROCKETS  SPROCKETS AND DRIVES                                                     DATE: 76-99
        AUTHOR(S): DUPONT                                         TYPE(S): PM              CATEGORIES: O
        SOURCE(S): DUPONT                 COST:     18.75 P       LEVEL:   2               COPYRIGHT:
        SUBJECT AREAS:
          EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 112; 12 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION OF ROLLER CHAIN SPROCKETS; DIMENSIONS AND MEASUREMENT; STYLES AND STRANDS OF SPROCKETS; SPLIT AND TAPER-
        LOCK SPROCKETS; PITCH AND PITCH DIAMETER OF SPROCKETS; BASIC RULES FOR MESHING; STANDARD AND ASA SPROCKETS; EXERCISES
        IN FINDING NUMBER OF TEETH AND SPEEDS OF DRIVE AND DRIVEN SPROCKETS BY USE OF SIMPLE FORMULAS.
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EPAW00206
        COMPRESSED AIR SYSTEMS  FUNDAMENTALS                                                                     DATE: 76-99
        AUTHOR(S): DUPONT                                          TYPE(S): PM               CATEGORIES: 0
        SOURCE(S): DUPONT                COST:      6.25 P         LEVEL:   2                COPYRIGHT:
        SUBJECT AREAS:
          COMPRESSORS                  NORMAL OPERATIONS           EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 129; 2 1/2 HRS. AVERAGE INSTRUCTION TIME.
        HIGHLIGHTS INCLUDE:  THE AIR MIXTURE OF NITROGEN, OXYGEN, AND WATER VAPOR; THE INTERRELATIONSHIP OF AIR PRESSURE,
        TEMPERATURE, VOLUME, WATER VAPOR, AND DEW POINT; USES OF COMPRESSED AIR, AND THE PURPOSES AND FLOW SEQUENCE OF THE
        FOLLOWING:  FILTER, COMPRESSOR FIRST STAGE, INTERCOOLER, COMPRESSOR SECOND STAGE, AFTERCOOLER, AFTERCOOLER SEPARATOR,
        AFTER-AFTERCOOLER, AFTER-AFTERCOOLER SEPARATOR, RECEIVER, AND DRYER.

EPAW00207
        COMPRESSED AIR SYSTEMS  CENTRIFUGAL COMPRESSORS                                                          DATE: 76-99
        AUTHOR(S): DUPONT                                          TYPE(S): PM               CATEGORIES: 0
        SOURCE(S): DUPONT                COST:      9.25           LEVEL:   2                COPYRIGHT:
        SUBJECT AREAS:
          COMPRESSORS                  NORMAL OPERATIONS           EQUIPMENT (PLANT)               LUBRICATION
        REMARKS AND ABSTRACT:
        NO. 132; 5 HRS. AVERAGE INSTRUCTION TIME.
        HIGHLIGHTS INCLUDE:  BASIC TYPES OF ROTARY COMPRESSORS:  POSITIVE DISPLACEMENT AND VELOCITY HEAD; PURPOSE OF AND FLOW
        THROUGH THE PRINCIPLE CENTRIFUGAL COMPRESSOR PARTS: IMPELLER, DIFFUSER, AND VOLUTE; MULTISTAGE CENTRIFUGAL COMPRESSOR
        OPERATION AT BOTH CONSTANT AND VARIABLE SPEEDS; THE CAUSE AND CORRECTION FOR THE OPERATING CONDITION OF SURGE; CONTROL
        SYSTEMS TO PROVIDE COMPRESSOR LOAD CONTROL AND SURGE CONTROL BY:  VARIABLE DISCHARGE VENTING, VARIABLE DISCHARGE VENT-
        ING WITH VARIABLE INLET THROTTLING, FULL INLET THROTTLING, AND FULL DISCHARGE VENTING; START-UP AND SHUTDOWN PROCEDURE.

EPAW00208
        COMPRESSED AIR SYSTEMS  RECIPROCATING COMPRESSORS                                                        DATE: 76-99
        AUTHOR(S): DUPONT                                          TYPE(S): PM               CATEGORIES: 0
        SOURCE(S): DUPONT                COST:      9.25           LEVEL:   1                COPYRIGHT:
        SUBJECT AREAS:
          COMPRESSORS                  NORMAL OPERATIONS           EQUIPMENT (PLANT)               LUBRICATION
        REMARKS AND ABSTRACT:
        NO. 133; 5 HRS. AVERAGE INSTRUCTION TIME.
        HIGHLIGHTS INCLUDE:  IDENTIFICATION AND OPERATING SEQUENCE OF THE BASIC PARTS OF A RECIPROCATING COMPRESSOR; NAME,
        PURPOSE, AND AIR FLOW IN EACH PIECE OF EQUIPMENT OF A RECIPROCATING COMPRESSOR SYSTEM; LUBRICATED AND NONLUBRICATED
        COMPRESSORS; DRAIN TRAPS; REGULATION OF COMPRESSOR CAPACITY BY INLET VALVE LIFTERS AND CYLINDER CLEARANCE POCKETS;
        COMPRESSOR START-UP PROCEDURE; OPERATING OBSERVATIONS; AND COMPRESSOR SHUTDOWN PROCEDURE.
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EPAW00209

COUPLING ALIGNMENT SHAFTS — DATE: 76-99

AUTHOR(S): DUPONT — TYPE(S): PM — CATEGORIES: O

SOURCE(S): DUPONT — COST: 21.50 — LEVEL: 2 — COPYRIGHT:

SUBJECT AREAS:

EQUIPMENT (PLANT)

REMARKS AND ABSTRACT:

NO. 28; 14 HRS. AVERAGE INSTRUCTION TIME.

HIGHLIGHTS INCLUDE: FUNCTIONS OF A SHAFT COUPLING; TAPERED AND CYLINDRICAL BORE; FITS; PRECISION MEASUREMENT OF DIAMETER AND BORE; FITTING KEYS; THE ARBOR PRESS; INSTALLING A COUPLING HALF; TYPES OF MISALIGNMENT; ALIGNMENT; SHIMMING; END PLAY; AND ALIGNMENT CHECK.

EPAW00212

ELECTRICITY CONTROL OF STATIC ELECTRICITY — DATE: 76-99

AUTHOR(S): DUPONT — TYPE(S): PM — CATEGORIES: O

SOURCE(S): DUPONT — COST: 7.25 — LEVEL: 1 — COPYRIGHT:

SUBJECT AREAS:

ELECTRIC POWER — FIRES — SAFETY (ELECTRICAL)

REMARKS AND ABSTRACT:

NO. 86; 4 HRS. AVERAGE INSTRUCTION TIME.

HIGHLIGHTS INCLUDE: THE ROLE OF STATIC SPARKS, FLAMMABLE VAPOR OR DUST AND AIR IN THE RING OF FIRE; HOW STATIC SPARKS CAN BE PRODUCED; PREVENTING FIRES OR EXPLOSIONS AS PART OF THE JOB. WHY GROUND WIRES PREVENT SPARKS AND HOW TO BE SURE THEY DO; WHEN GROUND WIRES ARE REQUIRED; A GENERAL RULE FOR GROUNDING WHEN TRANSFERRING FLAMMABLE MATERIALS; AVOIDING SPLASH AND SPRAY. USE OF NEUTRALIZERS WHEN GROUNDS WON'T WORK. NEUTRALIZERS ARE NON-CONTRACTING AND PROTECT ONLY A SMA AREA. LOCATION, DISTANCE FROM SOURCE AND INSPECTION HINTS.

EPAW00213

READING ELECTRICAL SCHEMATIC DIAGRAMS — DATE: 76-99

AUTHOR(S): DUPONT — TYPE(S): PM — CATEGORIES: O

SOURCE(S): DUPONT — COST: 11.75 — LEVEL: 1 — COPYRIGHT:

SUBJECT AREAS:

ELECTRIC POWER — MANUALS — EQUIPMENT (PLANT)

REMARKS AND ABSTRACT:

NO. 127; 7 HRS. AVERAGE INSTRUCTION TIME.

COVERS 66 COMMONLY USED J.S.A. STANDARD ELECTRICAL SCHEMATIC SYMBOLS. INCLUDES: JUNCTIONS, BATTERIES, LIGHT FIXTURES, RESISTORS, CAPACITORS, TRANSFORMERS, RECTIFIERS, SWITCHES, PUSH-BUTTON SWITCHES, CONTROL SWITCHES, CONTACTORS, RELAYS, OVERLOAD PROTECTIVE DEVICES, DISCONNECTING DEVICES, AC AND DC MACHINES, AND FIELDS.

EPAW00215

FLOW MEASUREMENT BASIC PRINCIPLES — DATE: 63-00

AUTHOR(S): DUPONT — TYPE(S): PM — CATEGORIES: O

SOURCE(S): DUPONT — COST: 13.25 P — LEVEL: 2 — COPYRIGHT: C

SUBJECT AREAS:

FLOW MEASUREMENT

REMARKS AND ABSTRACT:

NO. 37, APPROX. 175 PP.; 8 HRS. AVERAGE INSTRUCTION TIME.

INCLUDES: CONCEPT OF "RATE OF FLOW"; UNITS OF MEASUREMENT OF RATE OF FLOW AND THEIR CONVERSION; BASIC PRINCIPLES OF STATIC PRESSURE AND DIFFERENTIAL PRESSURE VARIATIONS WITH RELATION TO FLOW VARIATIONS; EFFECTS OF PRESSURE TEMPERATURE AND DENSITY AND D/P FLOW MEASUREMENTS; AND LINEAR AND SQUARE ROOT SCALES.

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EPAW00216
        FLOW MEASUREMENT  PRIMARY ELEMENTS                                                                    DATE: 76-99
        AUTHOR(S): DUPONT                                            TYPE(S): PM               CATEGORIES: O
        SOURCE(S): DUPONT                COST:      6.25 P          LEVEL:   1                COPYRIGHT:
        SUBJECT AREAS:
          FLOW MEASUREMENT
        REMARKS AND ABSTRACT:
        NO. 72; 3HRS. AVERAGE INSTRUCTION TIME.
        ORIFICE PLATES, ORIFICE RUNS, VENTURI TUBES, FLOW NOZZLES, AND PITOT TUBES.

EPAW00217
        FLOW MEASUREMENT  MEASURING ELEMENTS                                                                  DATE: 76-99
        AUTHOR(S): DUPONT                                            TYPE(S): PM               CATEGORIES: O
        SOURCE(S): DUPONT                COST:      6.25 P          LEVEL:   2                COPYRIGHT:
        SUBJECT AREAS:
          FLOW MEASUREMENT
        REMARKS AND ABSTRACT:
        NO. 92; 3 HRS. AVERAGE INSTRUCTION TIME.
        USE OF MANOMETERS AND OTHER MEASURING ELEMENTS (D/P CELLS) TO MEASURE FLOW RATES BASED ON DIFFERENTIAL PRESSURE
        FROM PRIMARY DETECTING ELEMENTS.  THE TRAINEE BECOMES FAMILIAR WITH MEASURING ELEMENTS, THEIR CLASSIFICATION,
        PURPOSE, AND BASIC PRINCIPLES OF OPERATION.  SIXTY PERCENT OF THE COURSE IS USED TO DISCUSS U-TUBE AND WELL-TYPE
        MANOMETERS.

EPAW00218
        FLOW MEASUREMENT  INTEGRATION                                                                         DATE: 76-99
        AUTHOR(S): DUPONT                                            TYPE(S): PM               CATEGORIES: O
        SOURCE(S): DUPONT                COST:      5.00 P          LEVEL:   2                COPYRIGHT:
        SUBJECT AREAS:
          FLOW MEASUREMENT
        REMARKS AND ABSTRACT:
        NO. 93; 2 HRS. AVERAGE INSTRUCTION TIME.
        READING OF CIRCULAR CHARTS AND INTEGRATORS; CHART AND INTEGRATOR FACTORS; PLANIMETERS; TYPES OF AUTOMATIC
        INTEGRATORS; AND INTEGRATOR LIMITATIONS.

EPAW00219
        GEARS AND GEARING  SPUR GEARS                                                                         DATE: 76-99
        AUTHOR(S): DUPONT                                            TYPE(S): PM               CATEGORIES: O
        SOURCE(S): DUPONT                COST:     13.25 P          LEVEL:   2                COPYRIGHT:
        SUBJECT AREAS:
          EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 26; 8 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION OF SPUR GEARS AND THEIR PARTS; HOW TO MEASURE THE COMMONLY USED DIMENSIONS ON SPUR GEARS; USE OF
        PITCH GAUGES; CALCULATION OF PITCH DIAMETER BY FORMULA; USE OF TABLES OF STANDARD KEYWAYS AND SET SCREWS; HOW TO
        SELECT A GEAR FROM GEAR TABLES AND CATALOGS; AND IDENTIFICATION OF PRESSURE ANGLE, STYLE, MATERIAL OF CONSTRUCTION,
        AND STOCK GEARS.
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EPAW00220
        GEARS AND GEARING  GEAR RATIOS                                                                         DATE: 76-99
        AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
        SOURCE(S): DUPONT                 COST:     17.25 P            LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 61; 11 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION OF DRIVE AND DRIVEN GEARS AND SHAFTS; IDLER GEARS AND THEIR USES; DIRECTION OF ROTATION AND SPEED OF
        ROTATION; FORMULAS FOR GEAR RATIO AND SPEED RATIO; HOW TO DETERMINE RATIOS FOR SETS AND TRAINS OF GEARS; HOW TO
        CHANGE GEARS; IDENTIFICATION, USE, AND SELECTION OF PROPER SET; MULTIPLE REDUCTIONS; AND CALCULATION OF GEAR RATIOS,
        SPEED RATIOS, SPEEDS, AND NUMBER OF TEETH IN MULTIPLE GEARING.

EPAW00221
        GEARS AND GEARING  GEAR INSTALLATION                                                                   DATE: 76-99
        AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
        SOURCE(S): DUPONT                 COST:     14.50 P            LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 66; 9 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION OF PITCH POINT, CENTER DISTANCE, CLEARANCE, AND BACKLASH; HOW TO MEASURE CLEARANCE AND BACKLASH BY
        MEANS OF GAUGES; GEAR ALIGNMENT AND CORRECTING ALIGNMENT OF SPUR GEARS; IDENTIFICATION OF MISALIGNMENT IN GEARS;
        HANDLING AND STORING OF GEARS; TOLERANCES IN GEAR DIMENSIONS; BASIC SIX-STEP PROCEDURE TO FOLLOW WHEN INSTALLING A
        SET OF GEARS, INCLUDING CLEANING, CHECKING DIMENSIONS, FASTENING TO SHAFT, ALIGNMENT, LUBRICATION, AND CHECKING ACTUAL
        OPERATION; PROCEDURE FOR REMOVAL OF GEARS; AND SAFETY RULES TO FOLLOW WHEN WORKING WITH GEARS AND/OR SHAFTS.

EPAW00222
        GEARS AND GEARING  HELICAL GEARS                                                                       DATE: 76-99
        AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
        SOURCE(S): DUPONT                 COST:      9.25 P            LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          EQUIPMENT (PLANT)
        REMARKS AND ABSTRACT:
        NO. 71; 4 1/2 HRS. AVERAGE INSTRUCTION TIME.
        IDENTIFICATION OF HELICAL GEARS, THEIR DIMENSIONS AND MEASUREMENT PROCEDURES; HELIX ANGLE, AND SHAFT ANGLE, AND THE
        RELATIONSHIP BETWEEN THEM; HOW TO DETERMINE THE 'HAND' FO HELICAL GEARS; DIAMETRAL PITCH (DP), PITCH DIAMETER (PD),
        AND PRESSURE ANGLE AND THE USE OF FORMULAS FOR DP AND PD; DIFFERENCES BETWEEN HELICAL GEARS AND PARALLEL SHAFTS AND
        ON RIGHT ANGLE SHAFTS; IDLER HELICAL GEARS; HOW TO DETERMINE DIRECTION OF THE THRUST ON PARALLEL AND RIGHT ANGLE
        SHAFTS; DOUBLE HELICAL (OR HERRINGBONE) GEARS AND HOW THEY ARE DIFFERENT FROM STRAIGHT HELICAL GEARS.
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EPAW00317
         BASIC HAND SAFETY  COURSE                                                                                    DATE: 76-99
         AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
         SOURCE(S): DUPONT                 COST:     1.50 P             LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY                         MANUAL LABOR
         REMARKS AND ABSTRACT:
         NO. 569.
         INSTRUCTIONAL MATERIALS ON USING ONE'S HANDS IN A SAFE WAY.

EPAW00320
         TOOL HAZARDS  LEADERS GUIDE                                                                                  DATE: 76-99
         AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
         SOURCE(S): DUPONT                 COST:     1.75 P             LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY                         EQUIPMENT (SHOP)
         REMARKS AND ABSTRACT:
         NO. 572.
         INSTRUCTORS GUIDE ON USE OF HAND TOOLS.

EPAW00321
         TOOL HAZARDS  COURSE                                                                                         DATE: 76-99
         AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
         SOURCE(S): DUPONT                 COST:     1.50 P             LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY                         EQUIPMENT (SHOP)
         REMARKS AND ABSTRACT:
         NO. 573.
         INSTRUCTIONAL MATERIAL ON USE OF HAND TOOLS.

EPAW00324
         SAFE PRACTICE SERIES CARDS                                                                                   DATE: 76-99
         AUTHOR(S): DUPONT                                              TYPE(S): PM            CATEGORIES: O
         SOURCE(S): DUPONT                 COST:     1.75 P             LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY
         REMARKS AND ABSTRACT:
         NO. 590.
         REMINDER CARDS FOR SAFETY.
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EPAW00271
        PUMPS  CENTRIFUGAL PUMPS                                                                                  DATE: 67-00
        AUTHOR(S): DUPONT                                              TYPE(S): PM             CATEGORIES: O
        SOURCE(S): DUPONT                 COST:     14.50 P            LEVEL:   1              COPYRIGHT: C
        SUBJECT AREAS:
          MAINTENANCE                   CENTRIFUGAL PUMPS              LUBRICATION
        REMARKS AND ABSTRACT:
        COURSE NO. 119, VOL. I THRU VI, APPROX 200PP COMPLETE STE.  9 HRS.  AVERAGE INSTRUCTION TIME.
        INCLUDES:  FLOW THROUGH PUMP; MECHANICAL AND PACKING SEALS; SEAL FLUSH; PARTS OF AND TYPES OF IMPELLERS; DISCHARGE
        PRESSURE VERSUS FLOW; POWER REQUIREMENTS VERSUS FLOW; EFFECT OF SPECIFIC GRAVITY ON POWER REQUIREMENTS; MULTI-
        STAGE OPERATION; METHODS OF PRIMING CENTRIFUGAL PUMPS; OPERATING CHARACTERISTICS OF SELF-PRIMING CENTRIFUGAL
        PUMPS; TYPES OF OIL LUBRICATION; GREASE LUBRICATED BEARING; BEARING HOUSING TEMPERATURES; AND CAVITATION AND
        GASSING OF CENTRIFUGAL PUMPS.

EPAW00272
        PUMPS  POSITIVE DISPLACEMENT PUMPS                                                                        DATE: 76-99
        AUTHOR(S): DUPONT                                              TYPE(S): PM             CATEGORIES: O
        SOURCE(S): DUPONT                 COST:     10.75 P            LEVEL:   1              COPYRIGHT:
        SUBJECT AREAS:
          POSITIVE DISPLACEMENT PUMPS   ROTARY PUMPS
        REMARKS AND ABSTRACT:
        NO. 12; 5 1/2 HRS. AVERAGE INSTRUCTION TIME.
        THE IDENTIFICATION OF RECIPROCATING POSITIVE DISPLACEMENT PUMPS BY TYPE OF POWER END, DISPLACING SOLID, NUMBER
        OF PUMPING UNITS, TYPE OF PUMPING UNIT, AND VALVE GEAR; AND THE IDENTIFICATION OF THE COMMON TYPES OF ROTARY
        POSITIVE DISPLACEMENT PUMPS BY TYPE OF DISPLACING SOLID.  THE OPERATING PRINCIPLES OF BOTH TYPES OF PUMPS ARE
        APPLIED TO ELEMENTARY TROUBLESHOOTING.

EPAW00281
        SUPERVISORY PROBLEMS  WORKSHOP AND REFERENCE MANUAL                                                       DATE: 76-99
        AUTHOR(S): DUPONT                                              TYPE(S): PM             CATEGORIES: S
        SOURCE(S): DUPONT                 COST:     18.50 P            LEVEL:   2              COPYRIGHT:
        SUBJECT AREAS:
          SUPERVISION
        REMARKS AND ABSTRACT:
        NO. 140; AVERAGE INSTRUCTION TIME:  TWO OR THREE PROBLEMS A WEEK FOR APPROXIMATELY 25 WEEKS.
        55 SITUATIONS REPRESENTING THE KINDS OF PROBLEMS A NEW FOREMAN IS LIKELY TO ENCOUNTER DURING THE EARLY MONTHS
        OF HIS SUPERVISORY EXPERIENCE.  SOME ARE HUMAN RELATIONS PROBLEMS; SOME INVOLVE POLICY QUESTIONS; AND OTHERS ARE
        CONCERNED WITH PAPER WORK OR PROCEDURAL PHASES OF THE JOB.
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EPAW00307
PORTABLE FIRE EXTINGUISHERS COURSE DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: 0
SOURCE(S): DUPONT COST: 1.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
SELF PACED INSTRUCTION SAFETY (FIRES)
REMARKS AND ABSTRACT:
NO. 559.
INSTRUCTIONAL MATERIAL FOR COURSE IN USE OF FIRE EXTINGUISHERS.

EPAW00308
PERSONAL PROTECTIVE EQUIPMENT LEADERS GUIDE DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: 0
SOURCE(S): DUPONT COST: 1.75 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
SELF PACED INSTRUCTION SAFETY
REMARKS AND ABSTRACT:
NO. 560.
INSTRUCTORS GUIDE ON USE OF PERSONAL PROTECTIVE EQUIPMENT.

EPAW00309
PERSONAL PROTECTIVE EQUIPMENT COURSE DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: 0
SOURCE(S): DUPONT COST: 1.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
SELF PACED INSTRUCTION SAFETY
REMARKS AND ABSTRACT:
NO. 561.
INSTRUCTIONAL MATERIAL ON USE OF PERSONAL PROTECTIVE EQUIPMENT.

EPAW00312
STATIC GROUNDING LEADERS GUIDE DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: 0
SOURCE(S): DUPONT COST: 1.75 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
SELF PACED INSTRUCTION SAFETY (ELECTRICAL)
REMARKS AND ABSTRACT:
NO. 564.
INSTRUCTORS GUIDE TO MATERIALS ON STATIC GROUNDING.

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EPAW00313
         STATIC GROUNDING  COURSE                                                                                DATE: 76-99
         AUTHOR(S): DUPONT                                          TYPE(S): PM           CATEGORIES: O
         SOURCE(S): DUPONT                  COST:      1.50 P       LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY (ELECTRICAL)
         REMARKS AND ABSTRACT:
         NO. 565.
         INSTRUCTIONAL MATERIALS ON STATIC GROUNDING.

EPAW00314
         TANK ENTRY  LEADERS GUIDE                                                                               DATE: 76-99
         AUTHOR(S): DUPONT                                          TYPE(S): PM           CATEGORIES: O
         SOURCE(S): DUPONT                  COST:      1.75 P       LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY                     TANKS
         REMARKS AND ABSTRACT:
         NO. 566.
         INSTRUCTORS GUIDE ON HOW TO ENTER TANKS.

EPAW00315
         TANK ENTRY  COURSE                                                                                      DATE: 76-99
         AUTHOR(S): DUPONT                                          TYPE(S): PM           CATEGORIES: O
         SOURCE(S): DUPONT                  COST:      1.50 P       LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY                     TANKS
         REMARKS AND ABSTRACT:
         NO. 567.
         INSTRUCTIONAL MATERIAL ON TANK ENTRY.

EPAW00316
         BASIC HAND SAFETY  LEADERS GUIDE                                                                        DATE: 76-99
         AUTHOR(S): DUPONT                                          TYPE(S): PM           CATEGORIES: O
         SOURCE(S): DUPONT                  COST:      1.75 P       LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           SELF PACED INSTRUCTION        SAFETY                     MANUAL LABOR
         REMARKS AND ABSTRACT:
         NO. 568.
         INSTRUCTORS GUIDE FOR SAFE PROCEDURES IN USE OF HANDS.
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EPAW00223

GEARS AND GEARING BEVEL GEARS DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: O
SOURCE(S): DUPONT COST: 11.75 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
EQUIPMENT (PLANT)
REMARKS AND ABSTRACT:
NO. 76; 6 1/2 HRS. AVERAGE INSTRUCTION TIME.
IDENTIFICATION OF BEVEL GEARS, THEIR DIMENSIONS AND HOW TO MEASURE THEM; SIMILARITIES AND DIFFERENCES AMONG SPUR, HELICAL AND BEVEL GEARS; DIAMETRAL PITCH AND PITCH DIAMETER OF BEVEL GEARS AND HOW TO FIND THEM BY FORMULA; PITCH LINE, APEX, PITCH ANGLE, PITCH CONE, AND SHAFT ANGLE OF BEVEL GEARS; RELATIONSHIP BETWEEN PITCH ANGLE AND SHAFT ANGLE; "MATING" PAIRS OF GEARS; MITER GEARS; SPIRAL BEVEL AND SPIRAL MITER GEARS; "MOUNTING" DISTANCE AND ALIGNMENT IN BEVEL TYPE GEARING.

EPAW00224

GEARS AND GEARING WORMS AND WORM GEARS DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: O
SOURCE(S): DUPONT COST: 16.00 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
EQUIPMENT (PLANT)
REMARKS AND ABSTRACT:
NO. 98; 9 1/2 HRS. AVERAGE INSTRUCTION TIME.
IDENTIFICATION OF WORMS AND WORM GEARS, THEIR DIMENSIONS, AND HOW TO MEASURE THEM; "HAND" AND THREADS, AND HOW TO DETERMINE THEM; DIAMETRAL PITCH AND PITCH DIAMETER, AND USE OF FORMULAS TO DETERMINE THEM; LINEAR PITCH AND CIRCULAR PITCH; REQUIREMENTS FOR WORMS AND WORM GEARS TO MESH; PRESSURE ANGLE, HELIX ANGLE, AND "LEAD"; GEAR RATIOS AND SPEED RATIOS, AND USE OF STANDARD FORMULAS TO FIND THEM; DIRECTION OF ROTATION AND HOW TO DETERMINE IT; THRUST OF WORMS AND WORM GEARS AND HOW TO DETERMINE IT; AND CENTER DISTANCE, ALIGNMENT, AND CENTERING OF FACES.

EPAW00225

GRAPHS READING AND PREPARING SIMPLE GRAPHS DATE: 76-99
AUTHOR(S): DUPONT TYPE(S): PM CATEGORIES: M O
SOURCE(S): DUPONT COST: 21.50 LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
GRAPHICAL METHODS
REMARKS AND ABSTRACT:
NO. 78; AVERAGE INSTRUCTION TIME: READING GRAPHS-6 HRS., PREPARING GRAPHS-14 HRS.
SECTION ON READING GRAPHS COVERS; IDENTIFYING BARS AND READING THEIR VALUE; RECOGNITION OF THE PARTS; INTERPOLATION OF VALUES BETWEEN SCALE DIVISIONS; SELECTION OF PROPER BAR GRAPH BAASED ON CONTENT; PREPARATION OF SIMPLE BAR GRAPHS IN BOTH VERTICAL AND HORIZONTAL POSITION. SECTION ON PREPARING GRAPHS COVERS: IDENTIFICATION OF SCALES ON LINE GRAPHS; POINT COORDINATES AND THE PROPER WAY TO WRITE THEM; THE CONCEPT OF POSITIVE AND NEGATIVE COORDINATES; EXTRAPOLATION OF SIMPLE CURVED GRAPHS; AND USE OF CURVE FAMILIES AND MULTISCALE GRAPHS.

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EPAW00328
        BEHAVIORAL ASPECTS OF MANAGEMENT  AN INTRODUCTION                                                       DATE: 76-99
        AUTHOR(S): LANSFORD                                             TYPE(S): OT PM          CATEGORIES: S T
        SOURCE(S): LANSFORD                  COST:    109.95 P          LEVEL:   2              COPYRIGHT: C
        SUBJECT AREAS:
          MANAGEMENT BY OBJECTIVES      HUMAN REL AND PSYCHOL ASPECTS
        REMARKS AND ABSTRACT:
        ORDER NO. W401T; 18 TRANSPARENCIES AND SUPPLEMENTARY MATERIAL
        PRESENTS THE ESSENTIALS OF THE MODERN BEHAVIORAL ASPECTS OF MANAGEMENT.  INCLUDES THE RESULTS OF THE RELAY
        ASSEMBLY TEST ROOM EXPERIMENTS FROM THE HAWTHORNE STUDIES, MCGREGOR'S THEORY X AND Y, MASLOW'S HIERARCY OF HUMAN NEEDS,
        HERZBERG'S MOTIVATORS AND DISSATISFIERS, MASLOW AND HERZBERG COMPARED, GROUP DYNAMICS, CONTRASTING AUTHORITARIAN AND
        PARTICIPATIVE MANAGEMENT PHILOSPHIES, THE INFORMAL ORGANIZATION, LIKERT'S LINKING PIN CONCEPT, EMPLOYEE TURNOVER AND
        SUPERVISORY STYLE.  DETAILED EXPLANATIONS AND PERTINENT ARTICLE REPRINTS INCLUDED.

EPAW00329
        BEHAVIORAL ASPECTS OF MANAGEMENT  APPLICATIONS                                                          DATE: 76-99
        AUTHOR(S): LANSFORD                                             TYPE(S): OT PM          CATEGORIES: S T
        SOURCE(S): LANSFORD                  COST:    109.95 P          LEVEL:   2              COPYRIGHT: C
        SUBJECT AREAS:
          MANAGEMENT BY OBJECTIVES      JOB ANALYSIS                    HUMAN REL AND PSYCHOL ASPECTS
        REMARKS AND ABSTRACT:
        ORDER NO. W402T; 18 TRANSPARENCIES AND SUPPLEMENTARY MATERIALS
        FOCUSES ON THE APPLICATIONS OF MODERN BEHAVIORAL MANAGEMENT PRINCIPLES AND PRACTICES.. INCLUDES
        APPLICATION OF MODERN MANAGEMENT INSIGHTS:  AN OVERVIEW, EFFECT OF GROUP EXPECTATIONS ON MEMBER PRODUCTIVITY, INCREAS-
        ING PRODUCTIVITY, AN EXPERIMENT IN MOTIVATION OF ASSEMBLY LINE WORKERS, THE MOTIVATION CYCLE.  DETAILED EXPLANATIONS
        AND PERTIENT ARTICLE REPRINTS INCLUDED.

EPAW00330
        COMMUNICATION AND MOTIVATION                                                                            DATE: 76-99
        AUTHOR(S): LANSFORD                                             TYPE(S): OT             CATEGORIES: S T
        SOURCE(S): LANSFORD                  COST:     99.95 P          LEVEL:   2              COPYRIGHT: C
        SUBJECT AREAS:
          COMMUNICATION
        REMARKS AND ABSTRACT:
        ORDER NO. W230,  18 TRANSPARENCIES.
        ANALYZES THE NATURE OF THE HUMAN ELEMENT IN THE ORGANIZATION, THE ROLE AND IMPORTANCE OF COMMUNICATION,
        AND THE WAYS IN WHICH EMPLOYEES CAN BE PROPERLY MOTIVATED.

EPAW00331
        PARTICIPATIVE MANAGEMENT                                                                                DATE: 76-99
        AUTHOR(S): LANSFORD                  WILLIAMS P                 TYPE(S): OT             CATEGORIES: S T
        SOURCE(S): LANSFORD                  COST:     69.95 P          LEVEL:   2              COPYRIGHT: C
        SUBJECT AREAS:
          MANAGEMENT                    COMMUNICATION                   DECISION MAKING
        REMARKS AND ABSTRACT:
        ORDER NO. WW204, 10 TRANSPARENCIES.
        LIKERT'S MANAGEMENT SYSTEMS 1-4 ARE EXPLAINED IN TERMS OF THEIR EFFECT UPON ORGANIZATION PERFORMANCE.  THE ORGANIZATION
        IS PROFILED IN TERMS OF LEADERSHIP, MOTIVATION, COMMUNICATION, DECISION MAKING, GOALS, AND CONTROL.  LEADERSHIP STYLE IS
        CONTRASTED WITH PROBLEM SITUATION AND ORGANIZATION CLIMATE IN A CONTINGENCY MODEL, AND THE STRENGTH AND LIMITATIONS OF
        EACH STYLE AND COMPARED.  THE MANAGER'S STYLE IS CONSIDERED IN TERMS OF THE LINKING PIN FUNCTION, AND THE NOTION OF
        HUMAN CAPITAL IS INTRODUCED.
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EPAW00332
LEADERSHIP DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION
REMARKS AND ABSTRACT:
ORDER NO. W0103, 10 TRANSPARENCIES.

EFFECTIVE LEADERSHIP IS MORE THAN THE EXERCISE OF AUTHORITY; IT INVOLVES COMPLEX SOCIAL RELATIONSHIPS BETWEEN THE MANAGER AND THOSE WHO WORK UNDER THE MANAGER'S SUPERVISION. AN EFFECTIVE LEADER IN ONE TYPE OF SITUATION MAY BE AN INEFFECTIVE ONE IN ANOTHER. PRESENTS DISCUSSION OF EFFECTS OF SUPERVISORY STYLE ON PRODUCTIVITY AND AGGRESSIVE FEELING; TANNENBAUM AND SCHMIDT'S MODEL OF LEADERSHIP BEHAVIOR; FIELDLER'S LEADERSHIP MODEL.

EPAW00333
LEADERSHIP OF COMPLEX ORGANIZATIONS DATE: 76-99
AUTHOR(S): LANSFORD WILLIAMS P TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT COMMUNICATION DECISION MAKING
REMARKS AND ABSTRACT:
ORDER NO. WW209, 15 TRANSPARENCIES

LEADERSHIP DEVELOPMENT IS SHOWN AS A PERSONAL CHANGE PROCESS INCLOVING FEEDBACK, DISSONANCE, AWARENESS, AND CHOICE. HEREDITY, ENVIRONMENT, AND SITUATION ARE RELATED. THE HELPING MODEL OF FACE-TO-FACE LEADERSHIP IS COMPARED WITH THE MANIPULATIVE AND CHARISMATIC MODEL; THE AUTOCRATIC STYLE IS COMPARED WITH THE PARTICIPATIVE. LEADERSHIP TRAITS AND THE DETERMINANTS OF LEADER EFFECTIVENESS ARE EXAMINED. WHY LEADERS LEAD IN COMPARED WITH EDUCTION'S EFFECT UPON LEADERSHIP, AND THE STUDENT IS INVITED TO DIAGNOSE HIS OWN LEADERSHIP STYLE.

EPAW00334
MANAGEMENT BY OBJECTIVES DATE: 76-99
AUTHOR(S): LANSFORD OESTREICH H TYPE(S): OT PM CATEGORIES: S T
SOURCE(S): LANSFORD COST: 109.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT BY OBJECTIVES
REMARKS AND ABSTRACT:
ORDER NO. W04017, 18 TRANSPARENCIES AND SUPPLE. MATERIAL.

MANAGEMENT BY OBJECTIVES IS A METHOD AND PHILOSPHY OF MANAGEMENT WHICH EMPHASIZED SELF-DETERMINATION AND SELF-MOTIVATION OF THE EMPLOYEE. ONE OF THE MORE RECENT APPROACHES TO MANAGING THE HUMAN RESOURCES OF AN ORGANIZATION, ITS RAPID ACCEPTANCE THROUGHOUT ALL TYPES OF ORGANIZATIONS INDICATES THE POWER OF THIS NEW MANAGEMENT PHILOSOPHY. THIS SET HAS BEEN DEVELOPED BY A SPECIALIST IN THE FIELD WHO HAS TESTED THE MATERIAL IN A LARGE NUMBER OF SEMINARS AND CLASSES. HOW TO IMPLEMENT A SOUND MBO PROGRAM IS ILLUSTRATED.

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EPAW00336
         MODERN PERFORMANCE APPRAISAL                                                                          DATE: 76-99
         AUTHOR(S): LANSFORD                                     TYPE(S): OT              CATEGORIES: S T
         SOURCE(S): LANSFORD              COST:   119.95 P       LEVEL:   2               COPYRIGHT: C
         SUBJECT AREAS:
           JOB ANALYSIS
         REMARKS AND ABSTRACT:
         ORDER NO. WV201, 19 TRANSPARENCIES.
         PRESENTS A MODER, SYSTEMS APPROACH TO PERFORMANCE APPRAISAL.B  DEALS SPECIFICALLY WITH MAJOR PROBLEM
         AREAS FOUND IN ALL PERFORMANCE RATING PROGRAMS AND OFFERS CONSTRUCTIVE SOLUTIONS FOR EACH OF THE PROBLEMS.
EPAW00337
         INDUSTRIAL PSYCHOLOGY  SET I  WORKING WITH PEOPLE                                                     DATE: 76-99
         AUTHOR(S): LANSFORD                                     TYPE(S): OT              CATEGORIES: S
         SOURCE(S): LANSFORD              COST:    59.95 P       LEVEL:   2               COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT                  PERSONNEL                 HUMAN REL AND PSYCHOL ASPECTS
         REMARKS AND ABSTRACT:
         ORDER NO. A005, 10 TRANSPARENCIES.
         DEALS WITH SCIENTIFICALLY DEVELOPED PRINCIPLES AND PROCEDURES USED IN OBTAINING AND MOTIVATING WORKERS.  COVERS
         THE SCIENTIFIC SELECTION OF WORKERS, TESTING, EVALUATION, TIME AND MOTION STUDY, AND THE WORK ENVIRONMENT.
EPAW00338
         INDUSTRIAL PSYCHOLOGY  SET II  THE MAN MACHINE SYSTEM                                                 DATE: 76-99
         AUTHOR(S): LANSFORD                                     TYPE(S): OT              CATEGORIES: S
         SOURCE(S): LANSFORD              COST:    59.95 P       LEVEL:   2               COPYRIGHT: C
         SUBJECT AREAS:
           HUMAN REL AND PSYCHOL ASPECTS
         REMARKS AND ABSTRACT:
         ORDER NO. A006, 10 TRANSPARENCIES.
         FOCUSES ON THE APPLICATION OF SCIENTIFIC PSYCHOLOGY TO MANPOWER PROBLEMS IN THE MACHINE AGE.  EMPHASIZES
         PROBLEMS IN MOTIVATION, COMMUNICATION, TRAINING AND MANAGEMENT STYLE IN BUSINESS, INDUSTRY AND
         GOVERNMENT.
EPAW00340
         APPLIED PSYCHOLOGY AND PERSONNEL MANAGEMENT                                                           DATE: 76-99
         AUTHOR(S): LANSFORD                                     TYPE(S): OT              CATEGORIES: S T
         SOURCE(S): LANSFORD              COST:    79.95 P       LEVEL:   2               COPYRIGHT: C
         SUBJECT AREAS:
           PERSONNEL
         REMARKS AND ABSTRACT:
         ORDER NO. WA101, 12 TRANSPARENCIES.
         DESIGNED TO STIMULATE CURIOSITY.  STUDENTS GUESS WHICH TESTS ARE APT TO BE THE BEST PREDICTORS FOR MANAGERS,
         OFFICE CLERKS, POLICEMEN, STENOGRAPHERS, MECHANICS, DRIVERS, AND INSURANCE SALESMEN.  STUDENTS ARE
         INTRIGUED WITH THE DISCREPANCY BETWEEN WHAT THEY INTUITIVELY BELIEVE AND WHAT IS SHOWN.
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EPAW00341
        GROUP DYNAMICS                                                                                          DATE: 76-99
        AUTHOR(S): LANSFORD              WILLIAMS P              TYPE(S): OT PM          CATEGORIES: S T
        SOURCE(S): LANSFORD              COST:     89.95 P       LEVEL:    2             COPYRIGHT: C
        SUBJECT AREAS:
          HUMAN REL AND PSYCHOL ASPECTS COMMUNICATION
        REMARKS AND ABSTRACT:
        ORDER NO. WW205, 16 TRANSPARENCIES.
        GROUP LEADERSHIP SKILLS ARE STRESSED IN THIS SET  WHICH IS FOCUSED ON HELPING GROUP MEMBERS BECOME MORE EFFECTIVE IN
        THE PURSUIT OF THEIR COMMON OBJECTIVES.  GROUP CONTENT, PROCESS, ROLES, NORMS, MEMBER INTERACTION, AND HIDDEN AGENDAS
        ARE INTRODUCED.  CRITERIA DETERMINING THE EFFECTIVE AND EFFICIENT USE OF GROUP MEETING ARE EXAMINED TO ENCLUDE GOAL
        SETTING, COMMUNICATION PATTERNS, AND SECURING COLLABORATION.  DIAGNOSIS OF GROUP BEHAVIOR AND DEVELOPMENT OF GROUP
        SKILLS PROVIDE A FOUNDATION UPON WHICH PROBLEM SOLVING AND ACTION PLANNING STRATEGIES MAY BE BUILT.

EPAW00342
        MANAGEMENT EFFECTIVENESS                                                                                DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): OT             CATEGORIES: S T
        SOURCE(S): LANSFORD              COST:     59.95 P       LEVEL:    2             COPYRIGHT: C
        SUBJECT AREAS:
          MANAGEMENT
        REMARKS AND ABSTRACT:
        ORDER NO. R226, 10 TRANSPARENCIES.
        PRESENTS SOME DETERMINANTS OF LEADER-MANAGEMENT EFFECTIVENESS AND MEANS BY WHICH IT CAN BE
        MEASURED.

EPAW00345
        LEADER BEHAVIOR AND GROUP GUIDANCE                                                                      DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): OT             CATEGORIES: S T
        SOURCE(S): LANSFORD              COST:     89.95 P       LEVEL:    2             COPYRIGHT: C
        SUBJECT AREAS:
          SUPERVISION
        REMARKS AND ABSTRACT:
        ORDER NO. R215,  15 TRANSPARENCIES.
        FUNCTIONS, PROCEDURES, AND ROLES IN GROUP GUIDANCE ARE DISCUSSED AND ANALYZED, INCLUDING LEADER'S CONCERNS
        AND UNDERLYING FACTORS, TYPES OF LEADERS, QUESTIONS OF A GROUP'S OR LEADER'S RESPONSIBILITIES, LEADERSHIP
        FUNCTIONS IN A GROUP, AIDS TO EFFECTIVE LEADERSHIP, MEANS OF GROUP NORM CONTROL, DIFFUSION OF LEADERSHIP
        RESPONSIBILITY, GROUP PROBLEM-SOLVING.

EPAW00346
        FUTURE PLANNING AND STRATEGY DEVELOPMENT                                                                DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): OT             CATEGORIES: P S T
        SOURCE(S): LANSFORD              COST:     59.95 P       LEVEL:    2             COPYRIGHT: C
        SUBJECT AREAS:
          PLANNING
        REMARKS AND ABSTRACT:
        ORDER NO. WB201, 10 TRANSPARENCIES.
        COVERS BASIC PRINCIPLES OF PLANNING USED BY INDUSTRY, GOVERNMENT AND OTHER ORGANIZATIONS.  STRUCTURE OF
        PLANNING, TYPES OF PLANS, DEVELOPING ASSUMPTIONS ABOUT THE FUTURE, LONG RANGE OBJECTIVES, STRATEGIES,
        AND ORGANIZING THE PLANNING FUCTION ARE COVERED.
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EPAW00347
COMMUNICATION IN MANAGEMENT AND INDUSTRY DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
ORDER NO. R210, 10 TRANSPARENCIES.
ILLUSTRATES LEVELS OF COMMUNICATION, AND OTHER ASPECTS OF INDUSTRIAL AND BUSINESS COMMUNICATION.

EPAW00348
NEW ORGANIZATION STRUCTURES DATE: 76-99
AUTHOR(S): LANSFORD WILLIAMS P TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT
REMARKS AND ABSTRACT:
ORDER NO. WW210, 15 TRANSPARENCIES.
TRACES THE EVOLUTION OF ORGANIZATION STRUCTURE IN TERMS OF SOLUTIONS TO SEQUENTIAL PROBLEMS OF ORGANIZATION SIZE, COMPLEXITY, AND THE DEMANDS OF TECHNOLOGY. THE TRADITIONAL LINE AND STAFF ORGANIZATION IS CONTRASTED WITH PROJECT FUNCTIONAL STAFF, PRIMARY MISSION, HORIZONTAL, AND MATRIX FORMS. ORGANIZATION MISSIONS ARE SEEN AS ACHIEVABLE THORUGH THE ALTERNATIVE USE OF STRUCTURE AND CULTURE DEPENDING UPON THE DEGREE OF INTEGRATION AND DIFFERENTIATION REQUIRED. CLASSICAL VS. MODERN AND CONTRASTED; AND REORGANIZATION CONSIDERATIONS ARE OUTLINED.

EPAW00351
COMMUNICATION CONCEPTS IN MANAGEMENT DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 79.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
ORDER NO. WJ202, 14 TRANSPARENCIES.
INTERRELATED ORGANIZATIONAL COMMUNICATION PROCESS AND MANAGERIAL FUNCTION ARE DISCUSSED. ELEMENTS OF COMMUNICATION, REASONS FOR INCREASED DEMAND FOR COMMUNICATION WITHIN MANAGERIAL PROCESS, CONCEPTS OF MESSAGE TYPES, MESSAGE UTILIZATION, MESSAGE PROCESSING, AND INFORMATION ECONOMICS ARE DETAILED.

EPAW00352
EMPLOYEE MOTIVATION AND ORGANIZATIONAL BEHAVIOR DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): AC PM CATEGORIES: S
SOURCE(S): LANSFORD COST: 69.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS PERSONNEL
REMARKS AND ABSTRACT:
ORDER NO. A262, 5 CASSETTES AND 2 BOOKLETS.
INCLUDES: THE PSYCHOLOGICAL CONTRACT; WORK PERFORMANCE AND JOB SATISFACTION; POPULAR BEHAVIORAL FOUNDATIONS FOR UNDERSTANDING WORK MOTIVATION; IMPLEMENTATION DIFFICULTIES IN INDUCING HIGHER WORK MOTIVATION AMONGST NON-MANAGERIAL EMPLOYEES; SYSTEMIC PROPERTIES OF ORGANIZATION BEHAVIOR AND MANAGEMENT.

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EPAW00358
        PERSONNEL MANAGEMENT  THE Q BY Q INTERVIEW                                                          DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: S T
        SOURCE(S): LANSFORD          COST:     59.95 P         LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          PERSONNEL
        REMARKS AND ABSTRACT:
        ORDER NO. WA210, 10 TRANSPARENCIES.
        THE TECHNIQUE FOR THE SELECTION INTERVIEW IS EXPLAINED STEP BY STEP; APPLICATIONS AND RESULTS PRESENTED.

EPAW00360
        PROPERTY AND CASUALTY INSURANCE  (OUT OF PRINT)                                                     DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: M
        SOURCE(S): LANSFORD          COST:      0.00           LEVEL:               COPYRIGHT:
        SUBJECT AREAS:
          INSURANCE
        REMARKS AND ABSTRACT:
        ORDER NO. AS201

EPAW00363
        MODERN PURCHASING MANAGEMENT  (OUT OF PRINT)                                                        DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: M
        SOURCE(S): LANSFORD          COST:      0.00           LEVEL:               COPYRIGHT:
        SUBJECT AREAS:
          BUDGET AND ACCOUNTING
        REMARKS AND ABSTRACT:
        ORDER NO. W289

EPAW00365
        INVENTORY CONTROL                                                                                   DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD          COST:     89.95 P         LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          COSTS                   INVENTORY                    GRAPHICAL METHODS
        REMARKS AND ABSTRACT:
        ORDER NO. W114,  15 TRANSPARENCIES.
        CONCEPTS COVERED ARE: FUNCTIONS OF INVENTORIES; BASIC INVENTORY CONTROL MODEL; GRAPHIC DETERMINATION OF
        OPTIMUM ORDER QUANTITY; DETERMINATION OF ORDER POINT; CONCEPTS OF LEAD TIME AND SAFETY STOCK; DETERMINATION
        OF SAFETY STOCK LEVELS; RELATIONSHIP BETWEEN INVENTORY LEVEL AND SERVICE LEVEL; ABC CLASSIFICATION OF
        PRODUCTS IN INVENTORY; INVENTORY TURNOVER; AND COMPUTERIZED INVENTORY CONTROL SYSTEMS.
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EPAW00368
ANALYSIS OF FINANCIAL STATEMENTS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 119.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
BUDGET AND ACCOUNTING
REMARKS AND ABSTRACT:
ORDER NO. A002, 20 TRANSPARENCIES.
SHOWS THE COMPUTATION OF THE MOST SIGNIFICANT RATIOS USED IN ACCOUNTING AND FINANCIAL ANALYSIS. SHOWS THE BALANCE SHEET OR PROFIT AND LOSS STATEMENT WITH APPROPRIATE COMPUTATION OF THE RATIO. COMPUTATIONS LISTED INCLUDE CURRENT RATIO, QUICK RATIO, OPERATING PROFIT RATIO, DEBT EQUITY RATIO, PRICE EARNINGS RATIO, TURNOVER OF ACCOUNTS, RECEIVABLE, TURNOVER OF INVENTORY, FIXED ASSETS, INVESTMENT, RETURN ON EQUITY, EARNINGS PER SHARE, STOCK INTEREST AND EARNINGS, AND OTHERS.

EPAW00369
FINANCE DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
ECONOMICS
REMARKS AND ABSTRACT:
ORDER NO. W002, 17 TRANSPARENCIES.
AIDS IN EXPLAINING IMPORTANT CONCEPTS SUCH AS CASH FLOW, RATIO ANALYSIS, COMPOUNDED INTEREST AND PRESENT VALUE, DIFFERENT CAPITAL SOURCES AND THEIR USE, FINANCIAL LEVERAGE, AND INVESTMENT CRITERIA.

EPAW00374
BREAK EVEN ANALYSIS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
ECONOMICS
REMARKS AND ABSTRACT:
ORDER NO. W235, 9 TRANSPARENCIES AND 2 OVERLAYS.
PRESENTS AN IMPORTANT TOOL IN PRICING, ESTIMATION PROFIT AND LOSS POTENTIAL OF PRODUCTS AND OPERATIONS, DETERMINING THE IMPACT OF FINANCIAL LEVERAGE, AND OTHER AREAS. PLOTTING THE COST FUNCTIONS, COMPLETING THE BREAK-EVEN CHART THE MATHEMATICAL MODEL, CALCULATING THE BREAK-EVEN POINT, DIFFERENT WAYS OF PLOTTING THE SAME BREAK-EVEN CHART, HOW THE BREAK-EVEN POINT CHANGES WITH SELLING PRICE, BREAK-EVEN CHARTS WITH REALISTIC COST FUNCTIONS, BREAK-EVEN CHARTS WITH AGGREGATE BASE LINES, AND COMPARING FIRMS WITH VARIED COST STRUCTURES.

EPAW00375
HUMAN INTERACTION AND GROUP DYNAMICS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS PERSONNEL
REMARKS AND ABSTRACT:
ORDER NO. R208, 10 TRANSPARENCIES.
FACTORS CAUSING SOCIAL INTERACTION, GROUP BEHAVIOR, FRUSTRATION, AND ALIENATION AND PRESENTED. VARIOUS ME,NHODS OF GROUP ACTIVITY ARE DISCUSSED AND ILLUSTRATED.

EPAW00376
NON VERBAL COMMUNICATION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
ORDER NO. WR202, 15 TRANSPARENCIES.
PRESENTS THE IMPORTANCE OF NON-VERBAL COMMUNICATION AND CREATES AWARENESS OF UNSUSPECTED MESSAGES OF GROUP MEMBERS. COVERS SUCH ASPECTS AS GROOMING, MANNERISMS, AND GESTURES. ALSO POINTS OUT AUDIO, TACTILE, AND VISUAL CUES AND DOUBLE MESSAGES OR GAMES.

EPAW00377
MEASURING MOTIVATION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. R206, 15 TRANSPARENCIES.
CONCERNED WITH HOW AND WHY PEOPLE ARE MOTIVATED. INCLUDES INSTINCTIVE BEHAVIOR, PRIMARY AND SECONDARY DRIVES, MOTIVATION INTERACTION, ACHIEVMENT MOTIVE AND HUMAN PERFORMANCE, MOTIVATIONAL VARIABLES AND PERCEPTION, AROUSAL AND PERFORMANCE, REWARD AND PUNISHMENT SYSTEMS IN SOCIETY. A DEVICE PRODUCED BY PSYCHOLOGISTS ENABLES THE LONG-ELUSIVE MOTIVATION VARIABLE TO BE MEASURED. THE INFLUENCE OF REST IS TESTED.

EPAW00378
COMMUNICATION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT PM CATEGORIES: S T
SOURCE(S): LANSFORD COST: 69.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
ORDER NO. R301, 12 TRANSPARENCIES.
AN INTRODUCTORY LOOK AT THE ROLE AND SCOPE OF COMMUNICATION IN DAILY LIVING, STRESSING THE THEORY AND FUNCTION OF COMMUNICATION IN SOCIETY.

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EPAW00381
        OFFICE MANAGEMENT                                                                                DATE: 76-99
        AUTHOR(S): LANSFORD                                         TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD                 COST:   119.95 P        LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          RECORD KEEPING               MANAGEMENT                   SECRETARIAL SKILLS          JOB ANALYSIS
        REMARKS AND ABSTRACT:
        ORDER NO. WH203,  20 TRANSPARENCIES.
        DEALS WITH OFFICE LAYOUT, STAFFING, JOB DESCRIPTIONS, SUPERVISION, INTEROFFICE INFORMATION FLOW, EXPENSE
        CONTROLS, AND RECORDS MANAGEMENT.

EPAW00382
        PUBLIC SPEAKING                                                                                  DATE: 76-99
        AUTHOR(S): LANSFORD                                         TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD                 COST:    59.95 P        LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          PUBLIC SPEAKING
        REMARKS AND ABSTRACT:
        ORDER NO. SK301,  10 TRANSPARENCIES.
        DEALS WITH THE FUNDAMENTALS OF SPEECH FOR INTRODUCTORY COURSES. TOPICS INCLUDE THE SPEECH PROCESS,
        PUBLIC SPEAKING PATTERN, GOALS OF SPEAKING, WHAT INFLUENCES LISTENERS, CHOOSING THE SUBJECT,
        ACQUIRING INFORMATION, SUPPORTING MAIN IDEAS, SPEECH ORGANIZATION, CONVERSATIONAL LANGUAGE, AND
        LIVELY DELIVERY.

EPAW00383
        DO S AND DON TS FOR BEGINNING SPEAKERS                                                           DATE: 76-99
        AUTHOR(S): LANSFORD                                         TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD                 COST:    59.95 P        LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          COMMUNICATION (ORAL)
        REMARKS AND ABSTRACT:
        ORDER NO. SK302, 10 TRANSPARENCIES.
        EMPHASIZES PROPER SPEECHMAKING TECHNIQUES, AND GIVES BEGINNING SPEAKER QUICK GUIDELINES TO FOLLOW, AND
        PITFALLS TO AVOID BEFORE TRYING HIS HAND AS A SPEAKER.

EPAW00384
        LABOR UNIONS                                                                                     DATE: 76-99
        AUTHOR(S): LANSFORD                                         TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD                 COST:    59.95 P        LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          PERSONNEL
        REMARKS AND ABSTRACT:
        ORDER NO. S108,  10 TRANSPARENCIES.
        INCLUDES: LABOR UNION HISTORY; UNION MEMBERSHIP; STATES WITH MORE THAN 1,000,000 UNION MEMBERS, MAJOR NATIONAL
        AND INTERNATIONAL UNIONS; LABOR UNION ORGANIZATION; WORK STOPPAGES; MAJOR ISSUES IN WORK STOPPAGE; AVERAGE
        WEEKLY HOURS OF WORK PER WORKER; MEDIAN EARNINGS OF FAMILY HEAD AND MEDIAN FAMILY INCOME; MAIN REASON
        UNEMPLOYED PERSONS 16 TO 21 YEARS OLD LEFT LAST JOB.
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EPAW00385
        PUBLIC FINANCE                                                                                      DATE: 76-99
        AUTHOR(S): LANSFORD                                        TYPE(S): OT            CATEGORIES: S
        SOURCE(S): LANSFORD              COST:     99.95 P         LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          ECONOMICS
        REMARKS AND ABSTRACT:
        ORDER NO. S111,  15 TRANSPARENCIES.
        PROVIDES TEACHERS WITH CHARTS NOT USUALLY AVAILABLE IN CLASSROOM. INCLUDES: GOVERNMENT SPENDING, PURCHASES AND
        NATIONAL OUTPUT; WHERE FEDERAL, STATE, AND LOCAL TAX MONEY COMES FROM; STATE AND LOCAL GOVERNMENT REVENUES;
        STATE AND LOCAL GOVERNMENT EXPENDITURES; FEDERAL VUDGET DOLLAR, SPENDING (NATIONAL INCOME BASIS), REVENUE AS A
        PERCENT OF GNP; AID TO STATE AND LOCAL GOVERNMENTS; FEDERAL DIFICITS, DEBT-BY-TERMS, AVERAGE LENGTH AND
        MATURITY OF DEBT; TREND IN AVERAGE MATURITY OF FEDERAL SECURITIES; OWNERSHIP OF FEDERAL DEBT.
EPAW00387
        EFFECTIVE PRESENTATION OF DATA                                                                      DATE: 76-99
        AUTHOR(S): LANSFORD                                        TYPE(S): OT            CATEGORIES: M O S
        SOURCE(S): LANSFORD              COST:     89.95 P         LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          INSTRUCTION                 GRAPHICAL METHODS
        REMARKS AND ABSTRACT:
        ORDER NO. W215, 17 TRANSPARENCIES.
        DEALS WITH EFFECTIVE PRESENTATION OF DATA IN GRAPHIC FORMS, SUCH AS PIE CHARTS, BAR CHARTS, SIMPLE LINE
        CHARTS, MULTIPLE BAR AND LINE CHARTS, PICTOGRAPHS, STATISTICAL MAPS, AND OTHERS. FUNDAMENTAL APPLICATIONS
        AND USE OF LOGARITHMIC SCALE AND CHARTS ARE DISCUSSED.
EPAW00389
        WATER AND ITS USE                                                                                   DATE: 76-99
        AUTHOR(S): LANSFORD                                        TYPE(S): OT            CATEGORIES: E
        SOURCE(S): LANSFORD              COST:     59.95 P         LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          INDUSTRIAL WATER            ELECTRIC POWER               WATER SUPPLY
        REMARKS AND ABSTRACT:
        ORDER NO. A106,  10 TRANSPARENCIES.
        DISCUSSES WATER DEMAND PROJECTIONS, INDUSTRIAL AND HOME USAGE, AVERAGE ANNUAL RAINFALL BY GEOGRAPHIC LOCATION,
        AVERAGE ANNUAL RUNOFFS BY GEOGRAPHIC LOCATION, WATER-POOR AND WATER-RICH AREAS, FEDERAL WATER QUALITY
        ADMINISTRATION REGIONS, PROJECTED ELECTRIC GENERATION SOURCES, PRINCIPAL HYDROELECTRIC PROJECTS, AND
        NUCLEAR POWER PLANTS.
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EPAW00390
BEHAVIOR MODIFICATION AND CONTROL DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 119.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS MANAGEMENT BY OBJECTIVES
REMARKS AND ABSTRACT:
ORDER NO. S207, 20 TRANSPARENCIES.
ENABLES THE TEACHER TO EXPLAIN THE THEORY OF BEHAVIOR CONTROL AND HOW IT IS USED. DESIGNED FOR PSYCHOLOGY, EDUCATION, SOCIOLOGY, SOCIAL WORK, MANPOWER MANAGEMENT, AND OTHER COURSES.

EPAW00392
GRADING SCHEDULE DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: O S
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SAFETY EMERGENCY RESPONSE PROGRAMS FIRES
REMARKS AND ABSTRACT:
ORDER NO. AG202, 10 TRANSPARENCIES.
BASICS OF FIRE SCIENCE INSTRUCTION TECHNIQUES ARE PRESENTED, INCLUDING FIRE HAZARD MEASUREMENT, ORGANIZATION OF FIRE SERVICE AGENCIES, FIREFIGHTING TACTICS, LEGAL PROBLEMS OF FIRE FIGHTERS, FIRE DETECTION AND CAUSES, WATER SYSTEMS, AND ELEMENTS OF HAZARDOUS MATERIALS.

EPAW00395
FIREFIGHTING TACTICS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: O S L
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SAFETY (FIRES) EMERGENCY RESPONSE PROGRAMS FIRES
REMARKS AND ABSTRACT:
ORDER NO. AG205, 10 TRANSPARENCIES.
BASICS OF FIRE SCIENCE INSTRUCTION TECHNIQUES ARE PRESENTED, INCLUDING FIRE HAZARD MEASUREMENT, ORGANIZATION OF FIRE SERVICE AGENCIES, FIREFIGHTING TACTICS, LEGAL PROBLEMS OF FIRE FIGHTERS, FIRE DETECTION AND CAUSES, WATER SYSTEMS, AND ELEMENTS OF HAZARDOUS MATERIALS.

EPAW00397
FIRE INVESTIGATION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: O S L
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
FIRES EMERGENCY RESPONSE PROGRAMS
REMARKS AND ABSTRACT:
ORDER NO. AG207, 10 TRANSPARENCIES.
BASICS OF FIRE SCIENCE INSTRUCTION TECHNIQUES ARE PRESENTED, INCLUDING FIRE HAZARD MEASUREMENT, ORGANIZATION OF FIRE SERVICE AGENCIES, FIREFIGHTING TACTICS, LEGAL PROBLEMS OF FIRE FIGHTERS, FIRE DETECTION AND CAUSES, WATER SYSTEMS, AND ELEMENTS OF HAZARDOUS MATERIALS.

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EPAW00399
        TECHNICAL REPORT WRITING  (OUT OF PRINT)                                                          DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): OT           CATEGORIES: M
        SOURCE(S): LANSFORD              COST:     0.00          LEVEL:                COPYRIGHT:
        SUBJECT AREAS:
          TECHNICAL WRITING
        REMARKS AND ABSTRACT:
        ORDER NO.

EPAW00400
        FRESH WATER BIOLOGY                                                                               DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): OT           CATEGORIES: E
        SOURCE(S): LANSFORD              COST:    39.95 P        LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          LAKES                  LIMNOLOGY                       ECOSYSTEMS
        REMARKS AND ABSTRACT:
        ORDER NO. TH103,  7 TRANSPARENCIES.
        ILLUSTRATES THE MAJOR CHARACTERISTICS OF FRESH WATER LAKES IN THE NORTH TEMPERATE REGION.  INCLUDES: THERMAL
        STRATA OF LAKES, LIGHT ZONES IN LAKES, LITTORAL ZONE AND LIFE FORMS, OLIGOTROPHIC LAKES, MESOTROPHIC LAKES,
        EUTROPHIC LAKES, ALGAL BLOOMS.

EPAW00401
        ECOLOGY NUTRIENT CYCLES                                                                           DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): OT           CATEGORIES: E
        SOURCE(S): LANSFORD              COST:    39.95 P        LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          ECOSYSTEMS             WATER REUSE
        REMARKS AND ABSTRACT:
        ORDER NO. TH201,  7 TRANSPARENCIES.
        RECYCLING OF ELEMENTS THROUGH THE EARTH'S ECOSYSTEMS IS SHOWN. IDENTIFIES TWO MAJOR TYPES OF CYCLES, GASEOUS
        AND SEDIMENTARY, AND GIVES THE SALIENT FEATURES OF SEVERAL EXAMPLES, INCLUDING GENERALIZED GASEOUS CYCLE,
        GENERALIZED SEDIMENTARY CYCLE, CARBON CYCLE, NITROGEN CYCLE, SULFUR CYCLE, WATER CYCLE, AND PHOSPHORUS
        CYCLE.

EPAW00402
        LAKES AND PONDS                                                                                   DATE: 76-99
        AUTHOR(S): LANSFORD                                      TYPE(S): SL           CATEGORIES: E
        SOURCE(S): LANSFORD              COST:    49.95 P        LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          AQUATIC ANIMALS        ECOSYSTEMS                      LIMNOLOGY
        REMARKS AND ABSTRACT:
        ORDER NO. TH204-1,  20 SLIDES.
        OFFERS EXAMPLES OF VARIOUS AQUATIC AND TERRESTRIAL HABITATS. ILLUSTRATES SPECIFIC BIOTIC COMMUNITIES,
        ECOSYSTEMS, DIVERSITY OF SPECIES, AND CHARACTERISTIC ORGANISMS.
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EPAW00403
FLOWING WATERS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): SL CATEGORIES: E
SOURCE(S): LANSFORD COST: 49.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
AQUATIC ANIMALS ECOSYSTEMS LIMNOLOGY
REMARKS AND ABSTRACT:
ORDER NO. TH204-2, 20 SLIDES.
OFFERS EXAMPLES OF VARIOUS AQUATIC AND TERRESTRIAL HABITATS. ILLUSTRATES SPECIFIC BIOTIC COMMUNITIES, ECOSYSTEMS, DIVERSITY OF SPECIES, AND CHARACTERISTIC ORGANISMS.

EPAW00413
DETERMINATION OF ALKALINITY DATE: 73-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ALKALINITY
REMARKS AND ABSTRACT:
UNIT: XT-68, 5 MIN TAPE, 74 SL, SCRIPT.
THE LABORATORY PROCEDURE TO DETERMINE ALKALINITY ELECTROMETRICALLY TO AN END POINT OF PH 4.5. TOPICS ARE: ALKALINITY FUNDAMENTALS AND TITRATION CURVES, SAMPLING, APPARATUS, THE STEPWISE PROCEDURE, CALCULATION FORMULA, AND APPLICATIONS OF ALKALINITY DATA.

EPAW00414
PURE WATER AND PUBLIC HEALTH (OUT OF PRINT) DATE: 76-99
AUTHOR(S): CIPRA TYPE(S): MP CATEGORIES:
SOURCE(S): CIPRA COST: 0.00 LEVEL: COPYRIGHT:
SUBJECT AREAS:
PUBLIC HEALTH
REMARKS AND ABSTRACT:
28 MIN., COLOR. 16MM.

EPAW00416
SOMEBODY AROUND HERE MUST BE DOING SOMETHING GOOD DATE: 76-99
AUTHOR(S): EPA TYPE(S): MP CATEGORIES: E
SOURCE(S): MTP1 COST: 0.00 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
ENVIRONMENTAL CONTROL PUBLIC PARTICIPATION
REMARKS AND ABSTRACT:
16MM., 20 MIN., COLOR.
WHAT A COMMUNITY DID TO COMBAT WATER POLLUTION.

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EPAW00417
        I JUST WORK HERE                                                                                   DATE: 76-99
        AUTHOR(S): ROUNDTABLE                                        TYPE(S): MP          CATEGORIES: M
        SOURCE(S): ROUNDTABLE               COST:     50.00 R        LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          HUMAN REL AND PSYCHOL ASPECTS COMMUNICATION                PUBLIC RELATIONS
        REMARKS AND ABSTRACT:
        16MM, 17 MIN., COLOR; MANAGER'S GUIDBOOK "PUBLIC CONTACT:   CHORE OR CHALLENAGE" RECOMMENDED.
        DEMONSTRATES THE IMPORTANCE OF ATTITUDE IN MAINTAINING GOOD CUSTOMER RELATIONS AND A FAVORABLE COMPANY IMAGE.
        DRAMATIZES THE DAMAGING EFFECTS OF NEGATIVE, SELF-CENTERED ATTIDUDES.

EPAW00421
        LIFTING  MANS AGE OLD PROBLEM                                                                      DATE: 65-00
        AUTHOR(S): AETNA LIFE                                        TYPE(S): MP VC       CATEGORIES: O S
        SOURCE(S): AETNA                    COST:      0.00 R        LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          MANUAL LABOR              PUBLIC HEALTH                    SAFETY (MECHANICAL)
        REMARKS AND ABSTRACT:
        16 MM, 3/4 INCH VIDEO TAPE CASSETTE.
        SPECIAL PHOTOGRAPHIC TECHNIQUES HIGHLIGHT SAFE LIFTING GUIDELINES AND OTHER TIPS FOR AVOIDING BACK PROBLEMS.

EPAW00426
        MEMBRANE MICROFILTRATION  A NEW TOOL FOR CLASSROOM SCIENCE                                         DATE: 70-00
        AUTHOR(S): MILLI                                             TYPE(S): MP          CATEGORIES: E M T
        SOURCE(S): MILLI                    COST:      0.00 R        LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          BACTERIAL ANALYSIS        TOTAL COLIFORMS                  MICROBIOLOGY                   ANALYTICAL TECHNIQUES
          MEMBRANE FILTRATION
        REMARKS AND ABSTRACT:
        16MM, COLOR, 20 MIN.
        GENERAL INTRODUCTION TO THE USE OF MEMBRANCE FILTERS WITH APPLICATIONS TO RESEARCH, MEDICINE, INDUSTRY,
        EDUCATION AND FIELD METHODS.

EPAW00428
        ECOLOGICAL MODELLING                                                                               DATE: 76-00
        AUTHOR(S): JORGENSEN S E                                     TYPE(S): PM          CATEGORIES: T
        SOURCE(S): ELSEVIER                 COST:     33.95 P        LEVEL:   3           COPYRIGHT:
        SUBJECT AREAS:
          ECOSYSTEMS                SYSTEMS ANALYSIS AND MODELING
        REMARKS AND ABSTRACT:
        1 VOLUME YEARLY IN 4 ISSUES; AUTHORED BY AN INTERNATIONAL PANEL.
        DEALS WITH THE USE OF MATHEMATICAL MODELS AND SYSTEMS ANALYSIS FOR THE DESCRIPTION OF ECOSYSTEMS AND FOR THE
        CONTROL OF ENVIRONMENTAL POLLUTION AND RESOURCE DEVELOPMENT.  IT COMBINES MATHEMATICAL MODELLING, SYSTEMS
        ANALYSIS AND COMPUTER TECHNIQUES WITH ECOLOGY AND ENVIRONMENTAL MANAGEMENT.  PROVIDES AN INTERNATIONAL FORUM
        FOR ALL THOSE INVOLVED IN THIS FIELD OF EVER-INCREASING IMPORTANCE.
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EPAW00430
        BETTER WATER FOR AMERICANS                                                                        DATE: 76-99
        AUTHOR(S): EPA                                             TYPE(S): MP              CATEGORIES: E
        SOURCE(S): MTP2                  COST:      0.00 R         LEVEL:   1               COPYRIGHT: C
        SUBJECT AREAS:
          WATER SUPPLY
        REMARKS AND ABSTRACT:
        16MM, 15 MIN., COLOR.
        HOW WE SHOULD PLAN FOR WATER SUPPLIES FOR OUT TOWNS AND INDUSTRY.

EPAW00434
        STORY OF A LAKE                                                                                   DATE: 76-99
        AUTHOR(S): CHEVRON                                         TYPE(S): MP              CATEGORIES: E
        SOURCE(S): CHEVRON               COST:      0.00 R         LEVEL:   1               COPYRIGHT:
        SUBJECT AREAS:
          AQUATIC PLANTS               PUBLIC PARTICIPATION        LAKES                          RECREATION
          MINNESOTA                    WATER QUALITY
        REMARKS AND ABSTRACT:
        16MM, 15 MIN., COLOR.
        A LAKE IN MINNESOTA SUFFERS FROM A DEVASTATING WATER-WEED PROBLEM.  LOWER REAL ESTATE VALUES, HOMEOWNER
        DISCONTENT AND LIMITED RECREATIONAL ACTIVITIES LEAD AREA RESIDENTS TO "CLEAN UP" THE LAKE.  WITH THE SERVICES
        OF A CUSTOM APPLICATOR, A CHEMICAL IS APPLIED TO CONTROL WATER WEEDS WHICH DOES NOT ENDANGER THE ENVIRONMENT.
        THE RESULTS: HOMEOWNERS ON THE LAKE AND THE COMMUNITY AS A WHOLE CAN ONCE AGAIN ENJOY SWIMMING, FISHING
        AND WATERSPORTS.

EPAW00435
        LIVING THINGS IN A DROP OF WATER                                                                  DATE: 76-99
        AUTHOR(S): BRITANNICA                                      TYPE(S): MP              CATEGORIES: T
        SOURCE(S): BRITANNICA            COST:      6.50 R         LEVEL:   1               COPYRIGHT: C
        SUBJECT AREAS:
          ECOSYSTEMS                   MICROBIOLOGY
        REMARKS AND ABSTRACT:
        (NO. 2340) 16MM, 10 MIN., COLOR; PURCHASE PRICE: $135.00
        STRIKING PHOTOMICROGRAPHY PICTURES SINGLE-CELLED AND MULTI-CELLED PLANTS AND ANIMALS.  THE FILM HELPS CHILDREN
        DISCOVER THAT THESE PLANTS AND ANIMALS HAVE THE SAME LIFE FUNCTIONS AS LARGER LIVING THINGS--MOVEMENT, FEEDING,
        AND REPRODUCTION.

EPAW00436
        MICROSCOPIC LIFE  THE WORLD OF THE INVISIBLE                                                      DATE: 76-99
        AUTHOR(S): BRITANNICA                                      TYPE(S): MP              CATEGORIES: T
        SOURCE(S): BRITANNICA            COST:      6.50 R         LEVEL:   1               COPYRIGHT: C
        SUBJECT AREAS:
          MICROBIOLOGY
        REMARKS AND ABSTRACT:
        (NO. 1643) 16MM, 14 MIN., BLACK & WHITE; PURCHASE PRICE: $86.00
        EXPLORES THE WORLD OF MICROSCOPIC PLANTS AND ANIMALS IN A JAR OF ORDINARY POND WATER.  DESCRIBES METHODS OF
        CLASSIFYING THE MANY FORMS OF MICROSCOPIC LIFE, AND EXAMINES THE LIFE PROCESSES OF BOTH ONE-CELLED AND MANY-
        CELLED ANIMALS.
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EPAW00430
          BETTER WATER FOR AMERICANS                                                                          DATE: 76-99
          AUTHOR(S): EPA                                               TYPE(S): MP           CATEGORIES: E
          SOURCE(S): MTP2                   COST:      0.00 R          LEVEL:    1           COPYRIGHT: C
          SUBJECT AREAS:
            WATER SUPPLY
          REMARKS AND ABSTRACT:
          16MM, 15 MIN., COLOR.
          HOW WE SHOULD PLAN FOR WATER SUPPLIES FOR OUT TOWNS AND INDUSTRY.

EPAW00434
          STORY OF A LAKE                                                                                     DATE: 76-99
          AUTHOR(S): CHEVRON                                           TYPE(S): MP           CATEGORIES: E
          SOURCE(S): CHEVRON                COST:      0.00 R          LEVEL:    1           COPYRIGHT:
          SUBJECT AREAS:
            AQUATIC PLANTS                PUBLIC PARTICIPATION         LAKES                       RECREATION
            MINNESOTA                     WATER QUALITY
          REMARKS AND ABSTRACT:
          16MM, 15 MIN., COLOR.
          A LAKE IN MINNESOTA SUFFERS FROM A DEVASTATING WATER-WEED PROBLEM.  LOWER REAL ESTATE VALUES, HOMEOWNER
          DISCONTENT AND LIMITED RECREATIONAL ACTIVITIES LEAD AREA RESIDENTS TO "CLEAN UP" THE LAKE.  WITH THE SERVICES
          OF A CUSTOM APPLICATOR, A CHEMICAL IS APPLIED TO CONTROL WATER WEEDS WHICH DOES NOT ENDANGER THE ENVIRONMENT.
          THE RESULTS: HOMEOWNERS ON THE LAKE AND THE COMMUNITY AS A WHOLE CAN ONCE AGAIN ENJOY SWIMMING, FISHING
          AND WATERSPORTS.

EPAW00435
          LIVING THINGS IN A DROP OF WATER                                                                    DATE: 76-99
          AUTHOR(S): BRITANNICA                                        TYPE(S): MP           CATEGORIES: T
          SOURCE(S): BRITANNICA             COST:      6.50 R          LEVEL:    1           COPYRIGHT: C
          SUBJECT AREAS:
            ECOSYSTEMS                    MICROBIOLOGY
          REMARKS AND ABSTRACT:
          (NO. 2340) 16MM, 10 MIN., COLOR; PURCHASE PRICE: $135.00
          STRIKING PHOTOMICROGRAPHY PICTURES SINGLE-CELLED AND MULTI-CELLED PLANTS AND ANIMALS.  THE FILM HELPS CHILDREN
          DISCOVER THAT THESE PLANTS AND ANIMALS HAVE THE SAME LIFE FUNCTIONS AS LARGER LIVING THINGS--MOVEMENT, FEEDING,
          AND REPRODUCTION.

EPAW00436
          MICROSCOPIC LIFE  THE WORLD OF THE INVISIBLE                                                        DATE: 76-99
          AUTHOR(S): BRITANNICA                                        TYPE(S): MP           CATEGORIES: T
          SOURCE(S): BRITANNICA             COST:      6.50 R          LEVEL:    1           COPYRIGHT: C
          SUBJECT AREAS:
            MICROBIOLOGY
          REMARKS AND ABSTRACT:
          (NO. 1643) 16MM, 14 MIN., BLACK & WHITE; PURCHASE PRICE: $86.00
          EXPLORES THE WORLD OF MICROSCOPIC PLANTS AND ANIMALS IN A JAR OF ORDINARY POND WATER.  DESCRIBES METHODS OF
          CLASSIFYING THE MANY FORMS OF MICROSCOPIC LIFE, AND EXAMINES THE LIFE PROCESSES OF BOTH ONE-CELLED AND MANY-
          CELLED ANIMALS.
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EPAW00437
          COLIFORM TESTING AND SAMPLING  (OUT OF PRINT)                                                  DATE: 76-99
          AUTHOR(S): JOHNSTON K L                                    TYPE(S): PM          CATEGORIES:
          SOURCE(S): JOHNSTON               COST:     0.00           LEVEL:               COPYRIGHT:
          SUBJECT AREAS:
            FECAL COLIFORMS             TOTAL COLIFORMS
          REMARKS AND ABSTRACT:

EPAW00455
          STABILIZATION POND OPERATION AND MAINTENANCE MANUAL                                            DATE: 75-00
          AUTHOR(S): MN PCA                 SEXAUER W N              TYPE(S): PM          CATEGORIES: O M S
          SOURCE(S): MN PCA                 COST:     0.00 P         LEVEL:   1           COPYRIGHT:
          SUBJECT AREAS:
            STABILIZATION LAGOONS       PLANT DESIGN                 NORMAL OPERATIONS            PREVENTIVE MAINTENANCE
            SAMPLING                    RECORD KEEPING
          REMARKS AND ABSTRACT:
          118PP., TABLES, FIGURES; AUTHOR: R. V. KARN.
          PREPARED IN CONJUNCTION WITH EPA FUNDED TRAINING PROGRAMS FOR STABILIZATION POND OPERATORS.  SUBJECTS INCLUDE
          LIFT STATION AND COLLECTION SYSTEM, TREATMENT PROCESS, PROCESS DESIGN CRITERIA, OPERATION CONTROLS, MAINTENANCE
          PRACTICES AND LAB TESTS.

EPAW00459
          MANUAL OF WASTEWATER OPERATIONS                                                                DATE: 71-00
          AUTHOR(S): TX DOH                                          TYPE(S): PM          CATEGORIES: T D S O
          SOURCE(S): TX DOH                 COST:    10.00 P         LEVEL:   2           COPYRIGHT: C
          SUBJECT AREAS:
            WATER REUSE                 COLLECTION SYSTEMS           BUDGET AND ACCOUNTING        PRIMARY TREATMENT
            SECONDARY TREATMENT         WASTEWATER TREATMENT PLANTS  ANALYTICAL TECHNIQUES        SLUDGE TREATMENT
            SLUDGE DISPOSAL             PREVENTIVE MAINTENANCE
          REMARKS AND ABSTRACT:
          755PP.
          COMPREHENSIVE DOCUMENT WHICH PRESENTS THE RELATIONSHIP OF WASTEWATER TO PUBLIC HEALTH AND WATER POLLUTION.  ALL
          PRACTICAL ASPECTS OF PRIMARY AND SECONDARY TREATMENT ARE PRESENTED.  ADDITIONALLY, FOUR CHAPTERS DISCUSS THE
          MANAGEMENT AND FINANCIAL ASPECTS OF WASTEWATER COLLECTION AND TREATMENT.

EPAW00460
          MANUAL OF WATER UTILITY OPERATIONS                                                             DATE: 69-00
          AUTHOR(S): TX DOH                                          TYPE(S): PM          CATEGORIES: O
          SOURCE(S): TX DOH                 COST:     0.00 R         LEVEL:   1           COPYRIGHT:
          SUBJECT AREAS:
            OPERATIONS (WATER)          ANALYTICAL TECHNIQUES        WATER CHARACTERISTICS        DISTRIBUTION SYSTEMS
            WATER STORAGE               WATER SUPPLY                 MANUALS                      MAINTENANCE
            ARITHMETIC                  PHYSICAL TREATMENT           PRIMARY TREATMENT            QUALITY CONTROL
            RATES
          REMARKS AND ABSTRACT:
          662PP., 5TH ED.
          COMPLETE MANUAL OF WATER TREATMENT AND DISTRIBUTION.
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EPA000464                                                                                          DATE: 76-99
         GROUND WATER AND WELLS
         AUTHOR(S): UNIV OIL                                     TYPE(S): PM          CATEGORIES: T D
         SOURCE(S): UNIV OIL              COST:    10.00 P       LEVEL:   3           COPYRIGHT:
         SUBJECT AREAS:
           GROUNDWATER                  WATER WELLS
         REMARKS AND ABSTRACT:
         440PP: 400 ILLUS.
         COVERS GROUND WATER OCCURENCE AND MOVEMENT, WELL HYDRAULICS AND WELL DESIGN, DRILLING METHODS, WELL-SCREEN
         INSTALLATION, WELL MAINTENANCE AND MUCH MORE.

EPA000465                                                                                          DATE: 73-00
         CHEMISTRY FOR SANITARY ENGINEERS
         AUTHOR(S): SAWYER C N            MCCARTY P              TYPE(S): PM          CATEGORIES: M T
         SOURCE(S): MCGRAW                COST:    14.50 P       LEVEL:   3           COPYRIGHT: C
         SUBJECT AREAS:
           CHEMISTRY                    ANALYTICAL TECHNIQUES
         REMARKS AND ABSTRACT:
         REVIEW OF PHYSICAL AND ORGANIC CHEMISTRY RELATING TO THE ENVIRONMENT.  DISCUSSION OF EACH WATER QUALITY CONTROL
         TEST AND ITS SIGNIFICANCE.

EPA000466                                                                                          DATE: 73-00
         ALKALINITY
         AUTHOR(S): EPA                                          TYPE(S): PM SL AC    CATEGORIES: M
         SOURCE(S): EPAZ                  COST:     0.00 R       LEVEL:   2           COPYRIGHT:
         SUBJECT AREAS:
           ALKALINITY                   CARBONATES               BICARBONATES
         REMARKS AND ABSTRACT:
         UNIT:  07-66, 11 MIN TAPE, 66 SL, SCRIPT.
         A GENERAL CONSIDERATION OF ALKALINITY IN WATER SUPPLIES INCLUDING SOURCES AND EFFECTS, SUMMARY OF LABORATORY
         DETERMINATIONS, CLASSIFICATION SYSTEMS FOR HYDROXIDE, CARBONATE AND BICARBONATE, AND APPLICATIONS OF
         ALKALINITY DATA.

EPA000467                                                                                          DATE: 73-00
         DETERMINATION OF AMMONIA NITROGEN
         AUTHOR(S): EPA                                          TYPE(S): PM SL AC    CATEGORIES: M
         SOURCE(S): EPAZ                  COST:     0.00 R       LEVEL:   2           COPYRIGHT:
         SUBJECT AREAS:
           AMMONIA
         REMARKS AND ABSTRACT:
         UNIT:  07-67, 8 MIN TAPE, 49 SLIDES, SCRIPT.
         DETERMINATION OF AMMONIA CONCENTRATIONS OF 1-25 MG/LITER.  TOPICS ARE SUMMARY OF METHOD, THE REQUIRED LABORATORY
         APPARATUS AND REAGENTS, THE STEPWISE PROCEDURE, AND AN EXAMPLE OF CALCULATING AMMONIA NITROGEN FROM TEST RESULTS.
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EPAW00469
          OPERATION AND CONTROL OF WATER TREATMENT PROCESSES                                                          DATE: 64-00
          AUTHOR(S): COX C R                                       TYPE(S): PM          CATEGORIES: O
          SOURCE(S): WHO                   COST:     7.25 P        LEVEL:   2           COPYRIGHT: C
          SUBJECT AREAS:
            DEVELOPING COUNTRIES           ANALYTICAL TECHNIQUES           OPERATIONS                      PUBLIC HEALTH
          REMARKS AND ABSTRACT:
          (MONOGRAPH 49)
          COMPREHENSIVE INFORMATION ON THE TREATMENT AND CONTROL OF WATER FOR DOMESTIC PURPOSES.  THE AUTHOR DEALS WITH THE CONSER
          OF WATER RESOURCES IN ORDER TO MAKE TREATMENT EFFECTIVE AND ECONOMIC AND DISCUSSES THE FOLLOWING TREATMENT PROCEDURES:
          AERATION, TASTE AND ODOR CONTROL, COAGULATION AND FLOCCULATION, SEDIMENTATION, FILTRATION AND CHLORINATION.  STANDARDS O
          POTABLE WATER QUALITY ARE SUMMARIZED, WITH SPECIAL REFERENCE TO WATER-BORNE DISEASES, AND THE MATTER OF WATER FLUORIDATI
          IS TAKEN UP.  THERE ARE VALUABLE ANNEXES AND A SUPPLEMENT ON LABORATORY PROCEDURES.

EPAW00472
          CHLORINE MANUAL                                                                                             DATE: 69-00
          AUTHOR(S): CHLOR INST                                    TYPE(S): PM          CATEGORIES: D O T
          SOURCE(S): CHLOR INST            COST:     0.75 P        LEVEL:   2           COPYRIGHT: C
          SUBJECT AREAS:
            CHLORINE                       CHLORINATION                    CHEMICAL REACTIONS              DISINFECTION
          REMARKS AND ABSTRACT:
          PAPERBACK, 30 PAGES.
          THIS MANUAL IS INTENDED TO BE A COMPENDIUM OF EXPERIENCE, AVAILABLE TO THE INSTITUTE, OF MATERIALS, EQUIPMENT
          AND PRACTICES THAT CONTRIBUTE TO SAFE HANDLING, STORAGE, SHIPMENT AND USE OF CHLORINE.  IMPORTANT PROPERTIES
          OF CHLORINE ARE INCLUDED AS WELL AS PRACTICAL METHODS OF DEALING WITH EMERGENCIES THAT MAY BE ENCOUNTERED.

EPAW00480
          OUR ENVIRONMENT BATTLES WATER POLLUTION                                                                     DATE: 76-99
          AUTHOR(S): RENN C E                                      TYPE(S): PM          CATEGORIES: E T
          SOURCE(S): LAMOTTE               COST:     0.50 P        LEVEL:   2           COPYRIGHT: C
          SUBJECT AREAS:
            AMMONIA                        CHEMICAL ANALYSIS               ENVIRONMENTAL EFFECTS           TOXICITY TO FISH
            RADIOACTIVITY                  WATER TREATMENT                 NITRATES                        PH
            PHOSPHATES
            WATER ANALYSIS                 WATER TREATMENT
          REMARKS AND ABSTRACT:
          ORDER NO. 1592, 32 PAGES
          DISCUSSES THE PROCESSES IN NATURE WHICH TEND TO CREATE CLEAR, COLORLIESS, ORDER FREE WATERS AND HOW THESE PROCESSES CAN
          ADAPTED FOR WASTE WATER TREATMENT AND PURIFICATION SYSTEMS.  TOUCHES ON WATER POLLUTION BY RADIOACTIVE WASTES, CHEMICAL
          TOXINS, NITRATE AND PHOSPHATE ENRICHMENT AND THERMAL POLLUTION.
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EPAW00481
         STUDY OF WATER QUALITY                                                                                    DATE: 76-99
         AUTHOR(S): RENN C E                                           TYPE(S): PM            CATEGORIES: E T
         SOURCE(S): LAMOTTE                COST:     0.50 P             LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           ACIDITY                      AEROBIC TREATMENT               WATER QUALITY                 CARBON DIOXIDE
           CHLORINATION                 DISSOLVED OXYGEN                PH                            GROUNDWATER
           HYDROLOGY                    ION EXCHANGE                    IRON                          OXYGEN
           TASTE AND ODOR               OXYGEN                          PH                            POLLUTANTS
         REMARKS AND ABSTRACT:
         ORDER NO. 1532, 46 PAGES
         DISCUSSES THE COMPLEX NATURE OF WATER; THE HYDROLOGIC CYCLE; HOW MATERIALS BECOME DISSOLVED IN WATER AND HOW THIS LEADS
         TO PROBLEMS INVOLVING SCAL FORMATION, CORROSION, AND STAINING; HOW TO DETERMINE WATER QUALITY, AND HOW NATURAL PROCESSES
         TEND TO RESTORE WATER QUALITY.

EPAW00482
         LIMNOLOGY AN INTRODUCTION TO THE FRESH WATER ENVIRONMENT                                                  DATE: 76-99
         AUTHOR(S): AMOS W H                                           TYPE(S): PM            CATEGORIES: E T
         SOURCE(S): LAMOTTE                COST:     0.50 P             LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           ALGAE                        AQUATIC ANIMALS                 AQUATIC GROWTHS               BIOLOGY
           BOTTOM SAMPLING              CARBON DIOXIDE                  ECOSYSTEMS                    EUTROPHICATION
           LAKES                        OXYGEN                          PH                            PLANKTON
           SAMPLING                     LIMNOLOGY                       WATER QUALITY
         REMARKS AND ABSTRACT:
         ORDER NO. 1593, 38 PAGES
         OVERVIEW OF BIOLOGICAL, GEOPHYSICAL AND CHEMICAL CONCEPTS AS THEY ARE INVOLVED IN PONDS, LAKES AND OTHER FRESH WATER
         ENVIRONMENTS.  DISCUSSES SEASONAL AND DIURNAL CHANGES IN ECOLOGICALLY SIGNIFICANT FACTORS SUCH AS DISSOLVED OXYGEN,
         PHOSPHATES AND NATURAL POLLUTANTS.  INCLUDES SUGGESTED FIELD AND LABORATORY STUDIES AND EQUIPMENT.

EPAW00485
         PRIMER ON GROUND WATER                                                                                    DATE: 75-12
         AUTHOR(S): BALDWIN                MCGUINNESS                   TYPE(S): PM            CATEGORIES: E
         SOURCE(S): GPO                    COST:     0.95 P             LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           GROUNDWATER
         REMARKS AND ABSTRACT:
         NO. 24-001-0004
         INTRODUCTION TO THE NATURE OF GROUNDWATER.
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EPAW00486
        PRIMER ON WATER QUALITY                                                                                DATE: 74-03
        AUTHOR(S): BALDWIN                SWENSON                        TYPE(S): PM          CATEGORIES: E
        SOURCE(S): GPO                    COST:      0.65 P              LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          WATER QUALITY
        REMARKS AND ABSTRACT:
        NO. 24-001-0005
        INTRODUCTION TO SIMPLE ASPECTS OF WATER QUALITY.

EPAW00487
        PRIMER ON WATER                                                                                        DATE: 76-01
        AUTHOR(S): LANGHEIN               LEOPOLD                        TYPE(S): PM          CATEGORIES: E
        SOURCE(S): GPO                    COST:      1.50 P              LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          WATER SUPPLY
        REMARKS AND ABSTRACT:
        NO. 024-001-0003
        INTRODUCTION TO WATER SUPPLY.

EPAW00488
        INVESTIGATING WATER PROBLEMS  A WATER ANALYSIS MANUAL                                                  DATE: 76-99
        AUTHOR(S): RENN C E                                              TYPE(S): PM          CATEGORIES: E T
        SOURCE(S): LAMOTTE                COST:      0.50 P              LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          ALKALINITY                   AMMONIA                        CARBON DIOXIDE                 CHEMICAL ANALYSIS
          CHLORINE                     CHROMIUM                       COPPER                         CYANIDE
          DISSOLVED OXYGEN             FLUORIDE                       HARDNESS                       IRON
          NITRATES                     PH                             PHOSPHATES                     ANALYTICAL TECHNIQUES
        REMARKS AND ABSTRACT:
        ORDER NO. 1589, 72 PAGES
        PROVIDES BACKGROUND INFORMATION WHICH HELPS STUDENTS UNDERSTAND THE CHEMISTRY THAT IS APPLIED IN FIELD TESTS TO DETERMIN
        THE KINDS AND QUANTITIES OF VARIOUS CHEMICAL FACTORS IN WATER.  INCLUDES A GLOSSARY AND BIBLIOGRAPHY.  FEATURES THE
        INVESTIGATIVE APPROACH AND CORRELATES WITH WATER TESTING KITS.

EPAW00489
        CHLORIDE                                                                                               DATE: 76-99
        AUTHOR(S): PENWALT                                               TYPE(S): PM          CATEGORIES: T O
        SOURCE(S): DOUBLEDAY              COST:      0.00 P              LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE
        REMARKS AND ABSTRACT:
        AN INTRODUCTION TO CHLORINE PROPERTIES AND USE.
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EPAW00490
        WATER LAWS AND CONCEPTS                                                                                  DATE: 70-00
        AUTHOR(S): THOMAS H E                                    TYPE(S): PM            CATEGORIES: L
        SOURCE(S): USGS                     COST:     0.00 P     LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          WATER SUPPLY                   LAWS AND REGULATIONS
        REMARKS AND ABSTRACT:
        18PP.
        STUDIES THE WATER-RIGHTS SYSTEMS IN THE UNITED STATES.  DISCUSSES THE VARIOUS LAWS AND CUSTOMS THAT HAVE
        DEVELOPED CONCERNING THE INDIVIDUAL RIGHTS AND RIGHTS IN COMMON TO THE WATERS OF THE EARTH.  WATER-USE RIGHTS
        ARE UNIVERSALLY RECOGNIZED AS REAL PROPERTY, WITH CONSTITUTIONAL PROTECTION AGAINST DEPRIVATION WITHOUT
        DUE PROCESS OF LAW.

EPAW00491
        STUDY GUIDE FOR WATER PLANT OPERATORS                                                                    DATE: 60-00
        AUTHOR(S): FL WPCOA                                      TYPE(S): PM            CATEGORIES: E D
        SOURCE(S): FL WPCOA                 COST:     3.50 P     LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          BACTERIA                       MATHEMATICS             BACTERIAL ANALYSIS            CHEMISTRY
          WATER CHARACTERISTICS          CHLORINATION            WATER WELLS                   WATER ANALYSIS
          FLOW METERS                    CENTRIFUGAL PUMPS       WATER (OPERATIONS)
        REMARKS AND ABSTRACT:
        THIS MANUAL IS FOR USE AS AN INTRODUCTION TO THE POTABLE WATER FIELD ONLY.

EPAW00492
        PHS DRINKING WATER STANDARDS                                                                             DATE: 62-00
        AUTHOR(S): EPA                                           TYPE(S): PM            CATEGORIES: P M
        SOURCE(S): GPO                      COST:     0.35 P     LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          STANDARDS                      WATER TREATMENT
        REMARKS AND ABSTRACT:
        NO. 017-011-00045
        DESCRIPTION OF EACH PARAMETER IN THE DRINKING WATER STANDARDS.

EPAW00494
        TASTE AND ODOR CONTROL IN WATER PURIFICATION                                                             DATE: 76-99
        AUTHOR(S): WESTVACO                                      TYPE(S): PM            CATEGORIES: D O
        SOURCE(S): WESTVACO                 COST:     0.00 P     LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          ACTIVATED CARBON               TASTE AND ODOR
        REMARKS AND ABSTRACT:
        BEING REVISED
        HISTORICAL BACKGROUND, CAUSES OF AND TREATMENT FOR TASTE AND ODOR CONTROL.
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EPAW00508
        CORRESPONDENCE COURSE MANUAL FOR WATER PLANT OPERATORS  CLASS D                                        DATE: 68-00
        AUTHOR(S): CLEMSON UNIV           AUSTIN J H                 TYPE(S): PM          CATEGORIES: M U T
        SOURCE(S): SC WPCA                COST:     12.00 P          LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          ANALYTICAL TECHNIQUES          ARITHMETIC                  CHEMISTRY                   WATER QUALITY
          WATER CHARACTERISTICS          AQUATIC GROWTHS             OPERATIONS (WATER)          WATER TREATMENT PLANTS
        REMARKS AND ABSTRACT:
        2ND ED (1ST ED, 1958), 327PP. SUPPL BKLETS:  'ASSIGNMENTS AND TESTS', 72PP; TESTS (22).
        EMPHASIZES MATHEMATICAL, SCIENTIFIC AND EDUCATIONAL TRAINING REQUIREMENTS FOR CLASS D CERTIFICATION.  FIRST
        IN SERIES OF 4 COURSES (PROGRESSIVELY MORE ADVANCED).  ARITHMETIC OPERATIONS (NUMBER, FRACTIONS, DECIMALS,
        GEOMETRY, WEIGHTS AND MEASURES) PROVIDE INITIAL EXPOSURE FOLLOWED BY CHAPTERS OUTLINING EQUATIONS, ANALYTICAL
        TECHNIQUES AND TECHNICAL DESCRIPTIONS USED IN SPECIFIC TREATMENT PROCESSES.  EDITED BY JH AUSTIN (1ST ED EDITED
        BY WG MILLER).  EXAMPLES, ILLUS, GRAPHS, TABLES, PROBLEMS, TESTS, BIBLIOGRAPHY.

EPAW00511
        CORRESPONDENCE COURSE MANUAL FOR WASTEWATER PLANT OPERATORS  CLASS D                                   DATE: 69-00
        AUTHOR(S): CLEMSON UNIV                                      TYPE(S): PM          CATEGORIES: M O T
        SOURCE(S): SC WPCA                COST:     12.00 P          LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          ARITHMETIC                     CHEMISTRY                   DATA EVALUATION             ANALYTICAL TECHNIQUES
          PHYSICAL TREATMENT             CHEMICAL TREATMENT          BIOLOGICAL TREATMENT        PREVENTIVE MAINTENANCE
        REMARKS AND ABSTRACT:
        2ND ED (1ST, 1959), 424 PP.  SUPPL BKLETS:  'ASSIGNMENTS AND TESTS', 81 PP; TESTS (24).
        EMPHASIZES MATHEMATICAL, SCIENTIFIC AND TECHNICAL EDUCATIONAL TRAINING REQUIREMENTS FOR CLASS D
        CERTIFICATION.  FIRST IN SERIES OF 4 COURSES (PROGRESSIVELY MORE ADVANCED).  ARITHMETIC OPERATIONS
        (NUMBER, FRACTIONS, DECIMALS, GEOMETRY, WEIGHTS AND MEASURES) PROVIDE INITIAL EXPOSURE FOLLOWED
        BY CHAPTERS OUTLINING EQUATIONS, ANALYTICAL TECHNIQUES AND TECHNICAL DESCRIPTIONS USED IN SPECIFIC
        TREATMENT PROCESSES.  EDITED BY JH AUSTIN (1ST ED EDITED BY WG MILLER).  EXAMPLES, ILLUS,GRAPHS,TABLES,PROBLEMS,TESTS,BI

EPAW00535
        SEWAGE WORKS OPERATION  UNIT 1                                                                         DATE: 68-00
        AUTHOR(S): ROMHOVDE I N                                      TYPE(S): PM          CATEGORIES: M O
        SOURCE(S): TEXAS AM               COST:      1.67 P          LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          CHLORINATION                   ACTIVATED SLUDGE            COLLECTION SYSTEMS          PRIMARY TREATMENT
          SLUDGE DIGESTION               TRICKLING FILTERS
        REMARKS AND ABSTRACT:
        63PP
        INTRODUCTORY TEXT DESIGNED TO COMPLEMENT CLASSROOM INSTRUCTION.  CHARACTERISTICS AND METHODS OF COLLECTING WASTEWATERS
        ARE PRESENTED, FOLLOWED BY A DISCUSSION OF THE MORE COMMON UNIT PROCESSES EMPLOYED IN PRIMARY AND SECONDARY TREATMENT.
        ADDITIONALLY, SOME CONSIDERATIONS OF ROUTINE TESTING AND SAFETY ARE PRESENTED
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EPAW00539
CHEMICAL OXYGEN DEMAND DATE: 71-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M S
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND
REMARKS AND ABSTRACT:
UNIT: XT-27, 17 MIN TAPE, 60 SL, SCRIPT, QUIZ, KEY.
AN INTRODUCTION TO THE CHEMICAL OXYGEN DEMAND (COD) PROCEDURE. ORDER OF TOPICS IS: BASIS OF TEST, HOW IT DIFFERS FROM THE BIOCHEMICAL OXYGEN DEMAND (BOD) TEST, POTASSIUM DICHROMATE AS AN OXIDIZING AGENT, USE OF BLANK AND REFLUX CONDENSERS, ROLE OF FERROUS AMMONIUM SULFATE AND FERROIN, ETC., SAMPLE PRESERVATION, APPLICATIONS OF TEST RESULTS AND COD/BOD RATIOS.

EPAW00540
DISSOLVED OXYGEN DETERMINATION DATE: 71-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
DISSOLVED OXYGEN
REMARKS AND ABSTRACT:
UNIT: XT-29, 15 MIN TAPE, 72 SL, SCRIPT, QUIZ, KEY.
SAMPLING TECHNIQUES; BASIC CHEMISTRY OF THE WINKLER DISSOLVED OXYGEN DETERMINATION AND THE ALSTERBERG AZIDE MODIFICATION; METHODS FOR THE ADDITION OF REAGENTS; SAMPLE PRESERVATION AND THE BASIC CALCULATIONS USED IN THE DETERMINATION. PHOTOS OF RELEVANT LABORATORY EQUIPMENT ARE INCLUDED.

EPAW00542
DETERMINATION OF PHOSPHORUS DATE: 71-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
PHOSPHATES
REMARKS AND ABSTRACT:
UNIT: XT-44, 15 MIN TAPE, 65 SL, SCRIPT, QUIZ, KEY.
PRESENTS THE REASONS FOR DETERMINING PHOSPHORUS, AN EXPLANATION OF PHOSPHORUS TERMINOLOGY, AND THE OFFICE OF WATER PROGRAMS ANALYTICAL PROCEDURES. DISCUSSION OF PROCEDURE INCLUDES BASIC CHEMISTRY INVOLVED, SENSITIVITY RANGE, SAMPLE COLLECTION AND PRESERVATION, FILTRATION AND DIGESTION, PH, REAGENT PREPARATION, COLOR DEVELOPMENT AND SPECTROPHOTOMETRIC DETERMINATION, CARE OF GLASSWARE AND POSSIBLE INTERFERENCES.

EPAW00543
LETS INVENTORY YOUR CHLORINE HANDLING PRACTICES DATE: 70-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: O S
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
CHLORINE
REMARKS AND ABSTRACT:
UNIT: XT-35, 32 MIN TAPE, 80 SL, SCRIPT.
DISCUSSION ON HANDLING ELEMENTAL CHLORINE. PRINCIPLE DIVISIONS OF INFORMATION ARE: PHYSICAL AND CHEMICAL CHARACTERISTICS OF CHLORINE, SAFETY REQUIREMENTS FOR SIX SEGMENTS OF TYPICAL CHLORINE FEED SYSTEMS, CHLORINE EMERGENCY PROCEDURES, IN-PLANT OPERATING PROCEDURES FOR SAFE HANDLING OF CHLORINE (15 ITEMS), AND SOURCES OF ADDITIONAL INFORMATION.

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EPA*00944
        DISSOLVED OXYGEN ANALYSIS  ACTIVATED SLUDGE CONTROL TESTING                                                 DATE: 71-00
        AUTHOR(S): EPA                                             TYPE(S): PM SL AC      CATEGORIES: M O S
        SOURCE(S): EPA2                       COST:     0.00 R     LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          ACTIVATED SLUDGE              DISSOLVED OXYGEN           SLUDGE CONDITIONING
        REMARKS AND ABSTRACT:
        UNIT:  87-93, 34 MIN TAPE, 75 SL, SCRIPT, SUPPL: LUDZACK, "DISSOLVED OXYGEN TESTING PROCEDURE," LESSON PLAN.
        RAPID AND VALID TECHNIQUES ARE DESCRIBED FOR CONTROL OF THE ACTIVATED SLUDGE TREATMENT PROCESS USING ELECTRONIC
        MEASUREMENT OF DO AND DO CHANGES.  SAMPLE DATA ARE DISCUSSED FOR INTERPRETATION OF SLUDGE CONDITION IN RESPONSE TO
        STABILIZATION, FEED, LOAD RATIO OR CONDITIONS.  INFORMATION OBTAINABLE WITHIN 20 MINUTES PROVIDES SUGGESTED CORRECTIVE
        ACTION IN TIME TO UPGRADE EFFLUENT QUALITY.

EPA*00945
        OPERATIONAL CONTROL TESTS FOR ACTIVATED SLUDGE PROCESS  PART 1                                              DATE: 71-00
        AUTHOR(S): EPA                                             TYPE(S): PM SL AC      CATEGORIES: M O S
        SOURCE(S): EPA2                       COST:     0.00 R     LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          ACTIVATED SLUDGE              PHYSICAL ANALYSIS          PROCESS CONTROL
        REMARKS AND ABSTRACT:
        UNIT:  87-90, 16 MIN TAPE, 30 SL, SCRIPT.
        PART ONE OF A THREE-PART LESSON SERIES ON OPERATIONAL CONTROL TESTS FOR THE ACTIVATED SLUDGE PROCESS.  ENTITLED
        "OBSERVATIONS," THIS FIRST PART IS CONCERNED WITH THE ACCURATE READING OF METERS AND WITH THE VISUAL OBSERVATIONS
        TO BE MADE BOTH AT THE AERATOR (FOAM CHARACTERISTICS, SLUDGE COLOR AND ODOR) AND AT THE FINAL CLARIFIERS (CLARITY,
        EVIDENCES OF BULKING AND OF SEPTIC SOLIDS).  PROVISIONAL INTERPRETATIONS TO BE MADE OF THESE VISUAL OBSERVATIONS ARE
        PRESENTED, AND ALSO A DETAILED DISCUSSION OF THE EFFECTIVE USE OF A SLUDGE BLANKET FINDER.

EPA*00946
        OPERATIONAL CONTROL TESTS FOR ACTIVATED SLUDGE PROCESS  PART 2                                              DATE: 71-00
        AUTHOR(S): EPA                                             TYPE(S): PM SL AC      CATEGORIES: M O S
        SOURCE(S): EPA2                       COST:     0.00 R     LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          ACTIVATED SLUDGE              PHYSICAL ANALYSIS          PROCESS CONTROL                CENTRIFUGATION
        REMARKS AND ABSTRACT:
        UNIT:  87-91, 17 MIN TAPE, 47 SL, SCRIPT.
        PART TWO OF A THREE-PART LESSON SERIES ON OPERATIONAL CONTROL TESTS FOR THE ACTIVATED SLUDGE PROCESS.  THIS PART IS
        A DETAILED DISCUSSION OF THE PREFERRED TECHNIQUES INVOLVED IN CONDUCTING SETTLOMETER TESTS TO DETERMINE SETTLING
        CHARACTERISTICS AND IN CENTRIFUGING SAMPLES TO DETERMINE THE CONCENTRATION OF THE MIXED LIQUOR AND RETURN SLUDGE.
        HANDLING THE RELATED SAMPLES IS INCLUDED ALONG WITH PROVISIONAL INTERPRETATIONS AND APPLICATIONS OF THE TESTS
        PRESENTED.
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EPAW00547
        OPERATIONAL CONTROL TESTS FOR ACTIVATED SLUDGE PROCESS  PART 3                                              DATE: 71-00
        AUTHOR(S): EPA                                                  TYPE(S): PM SL AC      CATEGORIES: M
        SOURCE(S): EPA2                   COST:      0.00 R             LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          ACTIVATED SLUDGE              TURBIDITY                       DATA EVALUATION                 PROCESS CONTROL
        REMARKS AND ABSTRACT:
        UNIT:  XT-42, 22 MIN TAPE, 67 SL, SCRIPT.
        PART THREE OF A THREE-PART LESSON SERIES ON OPERATIONAL CONTROL TESTS FOR THE ACTIVATED SLUDGE PROCESS.  THIS
        CONCLUDING PART PRESENTS DEVELOPMENT OF SETTLING AND CONCENTRATION CURVES FROM SETTLOMETER AND CENTRIFUGE TEST
        RESULTS, TECHNIQUES FOR CONDUCTING TURBIDITY TESTS AS WELL AS THE SIGNIFICANCE OF TURBIDITY RESULTS, A SUMMARY
        OF ALL THE TESTS PRESENTED IN THE THREE-PART SERIES, THE CONTROL ADJUSTMENTS WHICH ARE MADE ON THE BASIS OF THESE
        TEST RESULTS, AND PROGRESSIVE TREND CHARTS OF PROCESS CHARACTERISTICS.

EPAW00549
        ULTIMATE DISPOSAL TO THE ENVIRONMENT                                                                        DATE: 71-00
        AUTHOR(S): EPA                                                  TYPE(S): PM SL AC      CATEGORIES: D S
        SOURCE(S): EPA2                   COST:      0.00 R             LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          ULTIMATE DISPOSAL             SLUDGE DISPOSAL
        REMARKS AND ABSTRACT:
        UNIT:  XT-30, 42 MIN TAPE, 37 SL, SCRIPT, REPRINTS:  DEAN "ULTIMATE DISPOSAL...", EVANS "THE SOIL..."
        POSSIBLE DISPOSAL SITES FOR LIQUID AND SOLID WASTES AND PRESENTED ALONG WITH POLLUTIONAL AND ECONOMIC FACTORS RELEVANT
        TO EACH.  SLUDGE DISPOSAL AND THE USE OF SLUDGE FOR RECLAIMING MINE SPOIL AND OTHER LOW GRADE SOILS ARE CONSIDERED IN
        DETAIL WITH ON-SITE EXAMPLES OF THE METHODS CONSIDERED.  USING A PERIODIC CHART, A SUMMARY OF DISPOSAL SITE CHOICES AND
        OF RE-USE POSSIBILITIES FOR COMMON ELEMENTS AND THEIR COMPOUNDS IS INCLUDED WITH SPECIAL EMPHASIS ON SUCESSFUL
        RECLAMATION OF WATER.

EPAW00551
        WHY A SAFETY PROGRAM IN EVERY WATER POLLUTION CONTROL WORKS                                                 DATE: 69-00
        AUTHOR(S): EPA                                                  TYPE(S): PM SL AC      CATEGORIES: O S
        SOURCE(S): EPA2                   COST:      0.00 R             LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY
        REMARKS AND ABSTRACT:
        UNIT:  XT-39, 12 MIN TAPE, 27 SL, SCRIPT.
        DEMONSTRATES THE NEED TO ESTABLISH AN EFFECTIVE SAFETY PROGRAM BY DISCUSSING SAFETY AS EFFICIENT OPERATIONS,
        KNOWLEDGE OF JOB REQUIREMENTS, GOOD RELATIONS WITH PUBLIC, EFFECTIVE COST CONTROL, GOOD EMPLOYEE RELATIONS
        AND GOOD MANAGEMENT.  GIVES SOURCES FOR FURTHER INFORMATION.
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EPAW00552

SAFETY PROGRAM GUIDE DATE: 69-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: O S
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SAFETY
REMARKS AND ABSTRACT:
UNIT: XT-38, 20 MIN TAPE, 39 SL, SCRIPT.

A GUIDE FOR ESTABLISHING AN EFFECTIVE SAFETY PROGRAM INCLUDING THE ROLE OF MANAGEMENT, ORGANIZATION REQUIRED, RECORD-KEEPING, ACCIDENT INVESTIGATION AND EVALUATION PROCEDURES, CAUSES OF ACCIDENTS, PROTECTIVE EQUIPMENT REQUIRED, ESTABLISHING SAFETY RULES AND PROCEDURES, ELEMENTS OF EMPLOYEE TRAINING PROGRAMS AND SUGGESTIONS FOR MOTIVATING EMPLOYEES.

EPAW00553

MARGIN FOR SAFETY DATE: 70-00
AUTHOR(S): WPCF TYPE(S): PM SL AC CATEGORIES: O S
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
SAFETY
REMARKS AND ABSTRACT:
UNIT: XT-31, 18 MIN TAPE, 45 SL, SCRIPT.

PROVIDING SAFE CONDITIONS FOR PERFORMANCE OF ROUTINE DUTIES IN WASTEWATER WORKS. INCLUDES DETAILED DISCUSSIONS OF THE IMPORTANCE OF GOOD HOUSEKEEPING, PREVENTING SLIPS OR FALLS, PERSONAL PROTECTIVE EQUIPMENT, AND DEALING WITH FIRE EXTINGUISHERS, MACHINERY WITH MOVING PARTS AND VEHICULAR TRAFFIC IN WORK AREAS. ALSO EMPHASIZES SAFETY ATTITUDES.

EPAW00554

SAFE WAY DATE: 70-00
AUTHOR(S): WPCF TYPE(S): PM SL AC CATEGORIES: O S
SOURCE(S): WPCF COST: 11.50 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
SAFETY WASTEWATER TREATMENT PLANTS NORMAL OPERATIONS
REMARKS AND ABSTRACT:
UNIT: XT-32, 14 MIN TAPE, 39 SL, SCRIPT.

PERFORMING ROUTINE DUTIES IN WASTEWATER WORKS IN A SAFE WAY. DUTIES CONSIDERED INVOLVE MANHOLES, ELECTRICAL EQUIPMENT, SAMPLING, CONTAMINATED WATER, AIR TOOLS, STEEP STAIRWAYS, VEHICULAR TRAFFIC, EXCAVATIONS, BAR SCREENS, WIRE ROPES, FLAMMABLE MATERIALS AND CHEMICALS.

EPAW00556

RESIDUAL CHLORINE AND CHLORINE DEMAND DATE: 74-03
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
CHLORINATION CHLORINE RESIDUAL CHLORINE
REMARKS AND ABSTRACT:
UNIT: XT-37, 12 MIN TAPE, 56 SL, SCRIPT

BASIC PRINCIPLES OF CHLORINATION PRACTICES IN TREATMENT PLANTS, REACTIONS OF CHLORINE WITH WATER AND WASTEWATER, SANITARY SIGNIFICANCE OF CHLORINE RESIDUALS AND ANALYTICAL PROCEDURES FOR THE DETERMINATION OF CHLORINE AND CHLORINE RESIDUALS IN TREATMENT PLANT EFFLUENTS.

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EPAW00557
        DETERMINATION OF CHEMICAL OXYGEN DEMAND                                                        DATE: 71-00
        AUTHOR(S): EPA                                          TYPE(S): PM SL AC     CATEGORIES: M
        SOURCE(S): EPA2                 COST:      0.00 R       LEVEL:   2            COPYRIGHT:
        SUBJECT AREAS:
          CHEMICAL OXYGEN DEMAND
        REMARKS AND ABSTRACT:
        UNIT:  XT-48, 22 MIN TAPE, 80 SL, SCRIPT, "DISPOSAL OF MERCURY WASTES FROM WATER LABORATORIES," DEAN.
        A BASIC PRESENTATION OF THE LABORATORY TECHNIQUE INVOLVED IN TEST PROCEDURES FOR ALL LEVELS OF COD.  SEQUENCE OF
        TOPICS IS:  METHOD SUMMARY, SAMPLE HANDLING AND PRESERVATION, INTERFERENCES, APPARATUS, PREPARATION OF REAGENTS,
        STEP-WISE PROCEDURE, EXAMPLE OF CALCULATIONS, AND TREATMENT OF MERCURY-CONTAINING TEST WASTES.

EPAW00558
        CRISIS ON THE KANAWHA                                                                          DATE: 62-00
        AUTHOR(S): ORSANCO              FINLEY                  TYPE(S): MP           CATEGORIES: E O P T
        SOURCE(S): FINLEY               COST:     20.00 R       LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          BIOLOGY                     WATER QUALITY             SPILLS (OIL)                ENVIRONMENTAL CONTROL
          INDUSTRIAL WASTES
        REMARKS AND ABSTRACT:
        16MM, 22 MIN., COLOR; PURCHASE PRICE: $200.00
        INDUSTRIAL WASTEWATER MANAGEMENT.

EPAW00572
        OPERATION AND MAINTENANCE OF WASTEWATER COLLECTION SYSTEMS                                     DATE: 76-10
        AUTHOR(S): GREEN RIV                                    TYPE(S): SL PM AC     CATEGORIES: O T M
        SOURCE(S): GREEN RIV            COST:      0.00 R       LEVEL:   1            COPYRIGHT:
        SUBJECT AREAS:
          MAINTENANCE (WASTEWATER)      SELF PACED INSTRUCTION        NORMAL OPERATIONS (WASTE)
        REMARKS AND ABSTRACT:
        143-35MM SLIDES AND SLIDE NARRATIVE, INSTRUCTOR'S AND STUDENT'S MANUALS.
        INCLUDES UNITS ON INSPECTION, TESTING, CLEANING AND MAINTAINING SEWERS, REPAIRS, LIFT STATIONS, SAFETY, ADMINISTRATION
        AND ORGANIZATION.

EPAW00573
        WATER RENOVATION AND REUSE                                                                     DATE: 76-10
        AUTHOR(S): SHUVAL H I                                   TYPE(S): PM           CATEGORIES: T D P
        SOURCE(S): ACADEMIC             COST:     29.50 P       LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          WATER REUSE
        REMARKS AND ABSTRACT:
        (ISBN 0-12-641250-2) 488PP.
        DEALS WITH ALL THE TECHNOLOGICAL AND SCIENTIFIC ASPECTS OF WATER RECYCLING.  DISCUSSES THE ASPECTS OF WATER RENOVATION
        AND REUSE IN AGRICULTURE, INDUSTRY AND FOR MUNICIPAL USE, AS WELL AS EVALUATING THE HEALTH PROBLEMS ASSOCIATED WITH
        REUSE.  INCLUDES CURRENT STATUS OF WORK IN THIS FIELD IN THE U S, ENGLAND, GERMANY, ISRAEL, SOUTH AFRICA, INDIA, AND
        JAPAN.
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EPAW00574
POLLUTION ECOLOGY OF FRESHWATER INVERTEBRATES DATE: 74-00
AUTHOR(S): HART C W FULLER S L TYPE(S): PM CATEGORIES: M T
SOURCE(S): ACADEMIC COST: 24.50 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
AQUATIC ANIMALS ECOSYSTEMS
REMARKS AND ABSTRACT:
(ISBN 0-12-328450-3) 416PP.
INCLUDES: BASIC OUTLINES OF THE NORMAL ECOLOGY OF CERTAIN INVERTEBRATE GROUPS; DISCUSSIONS OF THE PRESENT STATUS OF KNOWLEDGE CONCERNING THE POLLUTION UECOLOGY OF THOSE GROUPS; THE MOST RECENT AND SYSTEMATIC INTERPRETATIONS; AND EXTENSIVE REFERENCE SECTIONS PAINTING THE WAY TO ANCILLARY BACKGROUND MATERIAL.

EPAW00576
ODOR CONTROL AND OLFACTION DATE: 75-00
AUTHOR(S): COX J P TYPE(S): PM CATEGORIES: T O
SOURCE(S): POLLUTION COST: 0.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
TASTE AND ODOR
REMARKS AND ABSTRACT:
490PP.
DESCRIBES THE SCIENCE AND TECHNOLOGY OF ODORS AND OLFACTION AND CONTROL MEASURES.

EPAW00577
AGRICULTURAL WASTE MANAGEMENT DATE: 74-00
AUTHOR(S): LOEHR R C TYPE(S): PM CATEGORIES: T D O
SOURCE(S): ACADEMIC COST: 39.50 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
AGRICULTURAL WASTES BIOLOGICAL TREATMENT TERTIARY TREATMENT
REMARKS AND ABSTRACT:
(ISBN 0-12-455250-1) 590PP.
PRESENTS INFORMATION FROM ALL FACETS OF AGRICULTURAL PRODUCTION. INCLUDES INFORMATION ON CHANGING PRACTICES IN AGRICULTURE, ENVIRONMENTAL IMPACT AND WASTE CHARACTERISTICS. ALSO INCLUES: BIOLOGICAL PROCESSES, PONDS AND LAGOONS, AEROBIC TREATMENT, ANAEROBIC TREATMENT, NITROGEN CONTROL.

EPAW00578
MAN IN HIS ENVIRONMENT DATE: 76-00
AUTHOR(S): GROSSMAN S GROSSMAN M L TYPE(S): MP CATEGORIES: E
SOURCE(S): UNIV CA COST: 25.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
ECOSYSTEMS
REMARKS AND ABSTRACT:
16MM; COLOR; $350.00 PURCHASE PRICE, 29 MIN.
AN ESSAY ON THE CHECKS AND BALANCES OF THE NATURAL CYCLE; INCLUDING FLOW OF ENERGY, PREDATOR-PREY RELATIONSHIPS, CYCLING OF NUTRIENTS, NATURAL CONTROL OF ANIMAL POPULATIONS. DISCUSSES DANGER INHERENT IN MANY PRACTICES AND SUGGESTS ALTERNATIVE WAYS OF RELATING TO THE ENVIRONMENT.

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EPAW00579
         ECOLOGICAL REALITIES  NATURAL LAWS AT WORK                                                       DATE: 76-00
         AUTHOR(S): GROSSMAN S                GROSSMAN M L            TYPE(S): MP            CATEGORIES: E
         SOURCE(S): UNIV CA                   COST:     16.00 R       LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           ECOSYSTEMS
         REMARKS AND ABSTRACT:
         16MM., COLOR, 13 MIN., PURCHASE PRICE: $170.00
         CONSIDERS THE FLOW OF ENERGY FROM SUN TO PLANTS TO ANIMALS; FOOD CHAINS; FOOD PYRAMID AND CYCLING OF NUTRIENTS.

EPAW00580
         CHOICE IS OURS                                                                                   DATE: 76-00
         AUTHOR(S): GROSSMAN S                GROSSMAN S L            TYPE(S): MP            CATEGORIES: E
         SOURCE(S): UNIV CA                   COST:     22.00 R       LEVEL:   2             COPYRIGHT: C
         SUBJECT AREAS:
           ECOSYSTEMS
         REMARKS AND ABSTRACT:
         16MM, COLOR, 23 MIN., PURCHASE PRICE: $290.00
         CONSIDERS WORLD POPULATION GROWTH, ENERGY NEEDS, RECYCLING, NATURAL CONTROL OF PREDATORS.

EPAW00581
         MANUAL OF ANALYTICAL QUALITY CONTROL FOR PESTICIDES AND REL COMPOUNDS IN HUMAN AND ENV SAMPLES    DATE: 76-02
         AUTHOR(S): SHERMA J                                          TYPE(S): PM            CATEGORIES: M
         SOURCE(S): EPA HERL                  COST:      0.00 P       LEVEL:   3             COPYRIGHT:
         SUBJECT AREAS:
           AGROCHEMICALS                 CHROMATOGRAPHY               INSTRUMENTATION (LABORATORY)  QUALITY CONTROL
           CHEMICAL ANALYSIS             ANALYTICAL TECHNIQUES        LABORATORY SKILLS             BIOASSAY
         REMARKS AND ABSTRACT:
         EPA 600/1-76-017, 276PP., THOMPSON, J. F., EDITOR.
         THIS MANUAL COVERS ANALYTICAL PROCEDURES FOR PESTICIDE PROTECTION, STANDARDIZATION OF GAS CHROMATOGRAPHY, EXTRACTION
         AND ISOLATION OF PESTICIDES, CONFIRMING PRESENCE OR ABSENCE OF PESTICIDES, ALONG WITH PREVENTIVE MAINTENANCE AND
         TROUBLESHOOTING PROBLEMS IN THE GAS CHROMATOGRAPHY.

EPAW00582
         STORY OF WATER SUPPLY SLIDE                                                                      DATE: 76-99
         AUTHOR(S): AWWA                                              TYPE(S): SL            CATEGORIES: E
         SOURCE(S): AWWA                      COST:     45.00 P       LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           WATER SUPPLY
         REMARKS AND ABSTRACT:
         (NO. 80035) 35MM FILM, 33 1/3 RPM RECORD.
         NARRATION IS BY A WATER WORKS MANAGER WITH OCCASIONAL COMMENTS BY "WILLING WATER".  GIVES A BASIC KNOWLEDGE OF WATER
         SUPPLY MORE QUICKLY THAN OTHER MEANS AVAILABLE.
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EPAW00583
          BETTER WATER FOR PEOPLE  LEAFLETS                                                                      DATE: 76-99
          AUTHOR(S): AWWA                                               TYPE(S): PM              CATEGORIES: E
          SOURCE(S): AWWA                   COST:      0.15 P           LEVEL:    1              COPYRIGHT:
          SUBJECT AREAS:
            WATER SUPPLY                PUBLIC EDUCATION
          REMARKS AND ABSTRACT:
          (NO. 70003) SET OF SIX 4-PAGE LEAFLETS, MINIMUM ORDER OF 100.
          USE AS INVOICE AND CORRESPONDENCE STUFFERS.  SOLD AS A 6 PART SERIES SO THAT UTILITIES MAY DISTRIBUTE THEM AT REGULAR
          BILLING INTERVALS.  EACH LEAFLET DEALS WITH SOME SPECIAL ASPECT OF WATER SUPPLY ABOUT WHICH CUSTOMERS SHOULD BE
          INFORMED.  SAMPLES FURNISHED ON REQUEST.

EPAW00584
          STORY OF WATER SUPPLY                                                                                  DATE: 76-99
          AUTHOR(S): AWWA                                               TYPE(S): PM              CATEGORIES: E
          SOURCE(S): AWWA                   COST:      0.30 P           LEVEL:    1              COPYRIGHT:
          SUBJECT AREAS:
            WATER SUPPLY
          REMARKS AND ABSTRACT:
          (NO. 70001) 16PP., MINIMUM ORDER OF 30.
          DESIGNED TO ACQUAINT JUNIOR HIGH SCHOOL STUDENTS WITH THE WORKING OF PUBLIC WATER SUPPLIES.

EPAW00585
          WATER SUPPLY AND WASTE DISPOSAL                                                                        DATE: 76-99
          AUTHOR(S): HARDENBERGH            RODIE                       TYPE(S): PM              CATEGORIES: T D
          SOURCE(S): PUBLIC                 COST:     15.00 P           LEVEL:    2              COPYRIGHT:
          SUBJECT AREAS:
            WATER SUPPLY                WASTEWATER DISPOSAL
          REMARKS AND ABSTRACT:
          (NO. G-1) 503PP.
          THERE IS AN EVER INCREASING INTERRELATIONSHIP BETWEEN THE BASIC PROBLEMS OF WATER SUPPLY AND OR WASTE DISPOSAL.
          PROVIDES A BALANCED PRESENTATION OF THE THEORY AND PRACTICES CONCERNED WITH THESE AREAS OF SANITARY ENGINEERING WORK.
          DETAILED CONSIDERATION TO BOTH THE DESIGN AND THE OPERATION OF SYSTEMS FOR WATER SUPPLY AND OF SYSTEMS FOR DISPOSAL.

EPAW00586
          SURVEY OF OPERATING DATA FOR WATER WORKS IN 1965 AND 1970                                              DATE: 76-99
          AUTHOR(S): AWWA                                               TYPE(S): PM              CATEGORIES: S
          SOURCE(S): AWWA                   COST:     20.00 P           LEVEL:    3              COPYRIGHT:
          SUBJECT AREAS:
            PERSONNEL                   OPERATIONS (WATER)              STATISTICAL DATA
          REMARKS AND ABSTRACT:
          (NO. 20112)
          AWWA STAFF REPORT.  PREPARED FROM SURVEY QUESTIONNAIRES SENT TO OVER 700 WATER UTILITIES IN THE U.S.
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EPAW00587
        AMERICAN NATIONAL STANDARD FOR FLANGED CAST IRON AND DUCTILE IRON PIPE WITH THREADED FLANGE             DATE: 75-05
        AUTHOR(S): AWWA                                              TYPE(S): PM           CATEGORIES: D
        SOURCE(S): AWWA                    COST:      3.00 P         LEVEL:   2            COPYRIGHT:
        SUBJECT AREAS:
          STANDARDS                  DUCTILE IRON PIPES              CAST IRON PIPES
        REMARKS AND ABSTRACT:
        (NO. 43115) 12PP.
        AWWA STANDARD IS LISTED IN DETAIL.

EPAW00588
        STATEMENT OF POLICY ON AWWA AFFAIRS AND ACTIVITIES                                                      DATE: 76-99
        AUTHOR(S): AWWA                                              TYPE(S): PM           CATEGORIES: P
        SOURCE(S): AWWA                    COST:      3.00 P         LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          ADMINISTRATIVE AGENCIES
        REMARKS AND ABSTRACT:
        (NO. 50001) 16PP.
        COVERS THOSE POLICIES RELATED PRINCIPALLY TO THE OPERATION OF THE ASSOCIATION.

EPAW00589
        COMMITTEE REPORT ON WATER USE                                                                           DATE: 72-12
        AUTHOR(S): AWWA                                              TYPE(S): PM           CATEGORIES: P
        SOURCE(S): AWWA                    COST:      3.00 P         LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          WATER USE
        REMARKS AND ABSTRACT:
        (NO. 50101) 16PP.
        AN ASSESSMENT OF CURRENT TRENDS IN WATER USE AND THE FACTORS INFLUENCING THESE TRENDS.

EPAW00590
        HANDBOOK OF TRICKLING FILTER DESIGN                                                                     DATE: 76-99
        AUTHOR(S): PUBLIC                                            TYPE(S): PM           CATEGORIES: D
        SOURCE(S): PUBLIC                  COST:      2.00 P         LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          TRICKLING FILTERS
        REMARKS AND ABSTRACT:
        (NO. G-3) 38PP., 5TH ED.
        INCLUDES: GENERAL DESIGN, MEDIA, DRAINAGE AND VENTILATION, DESCRIPTION AND DESIGN DATA, STANDARD RATE FILTERS, GENERAL
        DESIGN FOR HIGH RATE FILTERS.
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EPAW00591
         PRACTICAL HYDRAULICS FOR THE PUBLIC WORKS ENGINEER                                                      DATE: 76-99
         AUTHOR(S): PUBLIC                                          TYPE(S): PM           CATEGORIES: D T
         SOURCE(S): PUBLIC                  COST:     2.00 P        LEVEL:   3            COPYRIGHT:
         SUBJECT AREAS:
           HYDRAULICS
         REMARKS AND ABSTRACT:
         (NO. G-4) 26PP.
         DESIGN OR ANALYSIS OF ALMOST ANY MAJOR PUBLIC WORKS PROJECT REQUIRES APPLICATION OF HYDRAULIC ENGINEERING PRINCIPLES
         AND PROCEDURES.  A REVIEW OF THESE SKILLS REGULARLY USED BY ENGINEERS INVOLVED IN HYDRAULIC WORK.

EPAW00593
         OPERATION OF WATER TREATMENT PLANTS                                                                     DATE: 76-99
         AUTHOR(S): DUKES L S                                       TYPE(S): PM           CATEGORIES: D
         SOURCE(S): PUBLIC                  COST:     2.00 P        LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           OPERATIONS (WATER)
         REMARKS AND ABSTRACT:
         (NO. G-7)
         REFRESHER COURSE ON CURRENT PRACTICES IN PLANT OPERATION.

EPAW00594
         MANAGEMENT ESSENTIALS FOR PUBLIC WORKS ADMINISTRATORS                                                   DATE: 75-00
         AUTHOR(S): SHEERAN F B             APWA                    TYPE(S): PM           CATEGORIES: P
         SOURCE(S): APWA                    COST:    15.00 P        LEVEL:   3            COPYRIGHT:
         SUBJECT AREAS:
           MANAGEMENT
         REMARKS AND ABSTRACT:
         522PP.; COST $12.00 TO APWA MEMBERS.
         PRESENTS THE THEORY AND PRACTICE OF PUBLIC WORKS MANAGEMENT.  IT FOCUSES ON THE FOUR BASIC ELEMENTS OF MANAGEMENT -
         PLANNING, ORGANIZING, DIRECTING, AND CONTROLLING.

EPAW00595
         PRACTICES IN DETENTION OF URBAN STORMWATER RUNOFF                                                       DATE: 74-00
         AUTHOR(S): INTERIOR DEPT           APWA                    TYPE(S): PM           CATEGORIES: D
         SOURCE(S): APWA                    COST:    12.50 P        LEVEL:   3            COPYRIGHT:
         SUBJECT AREAS:
           STORM WATER
         REMARKS AND ABSTRACT:
         (SPECIAL REPORT NO. 43) 231PP., 42 TABLES, 7 APPENDICES, BIBLIOGRAPHY, COST: $10.00 TO APWA MEMBERS.
         COVERS SUCH AREAS OF STORMWATER MANAGEMENT AS LOCAL FLOODING, POLLUTION FROM COMBINED SEWER OVERFLOWS, AND PROBLEMS
         ASSOCIATED WITH THE BENEFICIAL USE OF STORMWATER.
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EPAW00596
          FEASIBILITY OF UTILITY TUNNELS IN URBAN AREAS                                                        DATE: 71-00
          AUTHOR(S): STANFORD U             APWA                      TYPE(S): PM           CATEGORIES: P
          SOURCE(S): APWA                   COST:     10.00 P         LEVEL:   3            COPYRIGHT:
          SUBJECT AREAS:
            PLANT CONSTRUCTION
          REMARKS AND ABSTRACT:
          (SPECIAL REPORT NO. 39) 167PP., 13 TABLES, 34 FIGURES, BIBLIOGRAPHY; COST: $8.00 TO APWA MEMBERS.
          THIS COMPREHENSIVE STUDY OF THE TECHNICAL, LEGAL, AND ECONOMICA ASPECTS CONCLUDES THAT UTILITY TUNNELS ARE JUSTIFIED IN
          HIGH DENSITY URBAN AREAS.

EPAW00601
          OIL ANALYSIS  I  (OUT OF PRINT)                                                                      DATE: 76-99
          AUTHOR(S): EPA                                              TYPE(S): VR           CATEGORIES:
          SOURCE(S): EPA R4A                COST:      0.00           LEVEL:                COPYRIGHT:
          SUBJECT AREAS:
            OIL AND GREASE
          REMARKS AND ABSTRACT:

EPAW00602
          OIL ANALYSIS II  (OUT OF PRINT)                                                                      DATE: 76-99
          AUTHOR(S): EPA                                              TYPE(S): VR           CATEGORIES:
          SOURCE(S): EPA R4A                COST:      0.00           LEVEL:                COPYRIGHT:
          SUBJECT AREAS:
            OIL AND GREASE
          REMARKS AND ABSTRACT:

EPAW00631
          RIVER OF LIFE  WATER  THE ENVIRONMENTAL CHALLENGE  (OUT OF PRINT)                                    DATE: 70-00
          AUTHOR(S): INTERIOR DEPT                                    TYPE(S): PM           CATEGORIES: E
          SOURCE(S): GPO                    COST:      3.15 P         LEVEL:   2            COPYRIGHT:
          SUBJECT AREAS:
            WATER SUPPLY
          REMARKS AND ABSTRACT:
          NO. 024-000-0537

EPAW00636
          CHEMISTRY FOR THE SAFETY  (OUT OF PRINT)                                                             DATE: 68-00
          AUTHOR(S): LABOR DEPT                                       TYPE(S): PM           CATEGORIES:
          SOURCE(S): GPO                    COST:      0.00           LEVEL:                COPYRIGHT:
          SUBJECT AREAS:
            SAFETY (CHEMICAL)             CHEMISTRY
          REMARKS AND ABSTRACT:
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EPAW00640
        CHALLENGE TO SUPERVISORS  MAKING YOUNG WORKERS SAFE WORKERS  (OUT OF PRINT)                            DATE: 66-00
        AUTHOR(S): LABOR DEPT                                       TYPE(S): PM            CATEGORIES:
        SOURCE(S): GPO                    COST:     0.00            LEVEL:                 COPYRIGHT:
        SUBJECT AREAS:
          SAFETY
        REMARKS AND ABSTRACT:

EPAW00642
        PAMPERING PESTICIDES FOR SAFETY  (OUT OF PRINT)                                                        DATE: 65-00
        AUTHOR(S): LABOR DEPT                                       TYPE(S): PM            CATEGORIES: O
        SOURCE(S): GPO                    COST:     0.25 P          LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          SAFETY (CHEMICAL)            AGROCHEMICALS
        REMARKS AND ABSTRACT:
        NO. 029-003-00066

EPAW00667
        COMMUNITY ACTION FOR ENVIRONMENTAL QUALITY  (OUT OF PRINT)                                             DATE: 70-00
        AUTHOR(S):                                                  TYPE(S): PM            CATEGORIES: P
        SOURCE(S): GPO                    COST:     1.10 P          LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          PUBLIC PARTICIPATION
        REMARKS AND ABSTRACT:
        NO. 040-000-00182

EPAW00691
        STREAM POLLUTION  SERIES B                                                                             DATE: 76-99
        AUTHOR(S): NEIWPCC                                          TYPE(S): SL PM         CATEGORIES: E
        SOURCE(S): NEIWPCC                COST:     0.00 R          LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          WATER CHARACTERISTICS        AQUATIC ANIMALS              AQUATIC PLANTS               WATER QUALITY
          SPILLS (OIL)                 SAMPLING                     TRICKLING FILTERS            ANALYTICAL TECHNIQUES
          ALGAE                        AQUATIC MICROBIOLOGY         PRIMARY TREATMENT            SECONDARY TREATMENT
          STABILIZATION LAGOONS        MONITORING
        REMARKS AND ABSTRACT:
        ORDER SERIES B WITH ACCOMPANYING NARRATIVE, 36 SLIDES
        FOCUSING ON THE DIFFERENT WASTE MATERIALS DISCHARGED INTO OUR WATER, ACCENTING THE NEED TO END
        POLLUTION.  WELL SUITED FOR CLASSROOM AND GENERAL USE.
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EPAW00700
         BASIC GAS CHLORINATION WORKSHOP                                                                DATE: 74-02
         AUTHOR(S): BORQUE                                        TYPE(S): PM           CATEGORIES: O M
         SOURCE(S): ONTARIOMGS            COST:     0.00 P        LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           CHLORINATION                CHLORINE RESIDUAL          PREVENTIVE MAINTENANCE       CORRECTIVE MAINTENANCE
           NORMAL OPERATIONS           EMERGENCY OPERATIONS
         REMARKS AND ABSTRACT:
         THE MANUAL HAS MAJOR SECTIONS ON THEORY, SAFETY, EQUIPMENT AND CHLORINE TESTS.  EACH SECTION HAS A LIST OF
         PERFORMANCE OBJECTIVES TO ASSIST TRAINEE AND INSTRUCTOR.  SKETCHES AND PICTURES CLARIFY MANY OPERATION,
         MAINTENANCE AND SAFETY PROCEDURES.

EPAW00702
         BASIC GAS CHLORINATION WORKSHOP                                                                DATE: 74-02
         AUTHOR(S): ONTARIOMGS                                    TYPE(S): PM           CATEGORIES: M O
         SOURCE(S): ONTARIOMGS            COST:     2.00 P        LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           CHLORINATION                EQUIPMENT (PLANT)          PROCESS CONTROL              SAFETY (CHEMICAL)
           CHEMICAL ANALYSIS
         REMARKS AND ABSTRACT:
         EACH CHAPTER PROCEEDED BY A LIST OF BEHAVIORAL OBJECTIVES.
         A VERY DETAILED GUIDE TO ALL ASPECTS OF GAS CHLORINATION.

EPAW00709
         MEASUREMENT OF DISSOLVED OXYGEN  AZIDE WINKLER PROCEDURE                                       DATE: 72-00
         AUTHOR(S): LAMB                  VESILING                TYPE(S): PM SL AC     CATEGORIES: M
         SOURCE(S): UNIV NC               COST:     0.00 R        LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           OXYGEN                      ANALYTICAL TECHNIQUES
         REMARKS AND ABSTRACT:

EPAW00727
         AROUND A BIG LAKE                                                                              DATE: 62-06
         AUTHOR(S): FILM BUR                                      TYPE(S): MP           CATEGORIES: E
         SOURCE(S): FILM BUR              COST:    15.00 R        LEVEL:   1            COPYRIGHT: C
         SUBJECT AREAS:
           LIMNOLOGY                   ECOLOGY
         REMARKS AND ABSTRACT:
         16MM, 17 MIN., COLOR, SALE $195
         TRACES THE EFFECT OF WEATHER THROUGH THE SEASONS ON THE
         ENVIRONMENTAL CONDITIONS AROUND A BIG LAKE.
```

EPAW00730
CHANGING RIVER DATE: 63-11
AUTHOR(S): FILM BUR TYPE(S): MP CATEGORIES: E
SOURCE(S): FILM BUR COST: 12.50 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
RIVERS ENVIRONMENTAL CONTROL
REMARKS AND ABSTRACT:
16MM, 16 MIN., COLOR, SALE $195
DEALS WITH THE ECOLOGY OF A RIVER SYSTEM FROM ITS BEGINNINGS IN RAIN AND RUNOFF TO ITS END AS A HUGE, POWERFUL VOLUME OF WATER FLOWING INTO THE OCEAN. EMPHASIZES THE BIOLOGICAL RELATIONSHIPS BETWEEN LIVING ORGANISMS AND THEIR ENVIRONMENT.

EPAW00731
CITIES IN CRISIS A MATTER OF SURVIVAL DATE: 76-99
AUTHOR(S): UNIVERSAL TYPE(S): MP CATEGORIES: E
SOURCE(S): UNIVERSAL COST: 0.00 R LEVEL: I COPYRIGHT:
SUBJECT AREAS:
URBAN IMPACT
REMARKS AND ABSTRACT:
16MM, 18 MIN., COLOR.
MAN'S PROBLEMS WITH HIS CITIES.

EPAW00732
CLEAN AIR PURE WATER (OUT OF PRINT) DATE: 76-99
AUTHOR(S): CANADIAN INDUSTRIES TYPE(S): MP CATEGORIES:
SOURCE(S): CAN IND COST: 0.00 LEVEL: COPYRIGHT:
SUBJECT AREAS:
WATER TREATMENT
REMARKS AND ABSTRACT:
16MM FILM, 10 MIN., BLACK AND WHITE

EPAW00733
CLEAN WATERS DATE: 76-99
AUTHOR(S): CAN GE TYPE(S): MP CATEGORIES: E
SOURCE(S): CAN GE COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
WATER QUALITY
REMARKS AND ABSTRACT:
16MM, 24 MIN., COLOR.
DESCRIPTION OF WHAT MAN IS DOING TO HIS WATER ENVIRONMENT.

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EPAW00734
         CLEAN WATERS                                                                                DATE: 76-99
         AUTHOR(S): WOLFF                                         TYPE(S): MP        CATEGORIES: E
         SOURCE(S): WOLFF                  COST:     0.00 R       LEVEL:   1         COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL CONTROL
         REMARKS AND ABSTRACT:
         16MM, 20 MIN., COLOR.
         MAN'S EFFECTS ON THE WATER ENVIRONMENT.

EPAW00735
         CLEAN CLEAR WATER                                                                           DATE: 63-00
         AUTHOR(S): J MANVILLE                                    TYPE(S): MP        CATEGORIES: D O T
         SOURCE(S): J MANVILLE AWWA        COST:     0.00 R       LEVEL:   2         COPYRIGHT:
         SUBJECT AREAS:
           FILTRATION                 NORMAL OPERATIONS
         REMARKS AND ABSTRACT:
         16MM, 19 MIN, COLOR; AWWA RENTAL FEE - $3.00 (ORDER NO. F102).
         COVERS ALL MAJOR ASPECTS OF DIATOMITE FILTRATION MEDIA, EQUIPMENT AND OPERATION.

EPAW00737
         CONSERVATION AND BALANCE IN NATURE                                                          DATE: 63-07
         AUTHOR(S): FILM BUR                                      TYPE(S): MP        CATEGORIES: E
         SOURCE(S): FILM BUR               COST:    15.00 R       LEVEL:   2         COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL CONTROL         CONSERVATION
         REMARKS AND ABSTRACT:
         16MM, 18 MIN., COLOR, SALE $225
         INVESTIGATES THE BALANCE IN NATURAL ECOLOGICAL SYSTEMS
         AS RELATED TO WHAT MAN IS DOING TO HIS ENVIRONMENT.

EPAW00739
         CRISES ON OUR RIVERS                                                                        DATE: 76-99
         AUTHOR(S): NY HES                                        TYPE(S): MP        CATEGORIES: E
         SOURCE(S): NY HES                 COST:   100.00 P       LEVEL:   1         COPYRIGHT: C
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 13 MIN., COLOR
         GENERAL PRESENTATION OF WATER POLLUTION.
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EPAW00747
         FROM THE EARTH AND BACK AGAIN                                                    DATE: 76-99
         AUTHOR(S): CLAY PIPE                                          TYPE(S): MP            CATEGORIES: E
         SOURCE(S): CLAY PIPE           COST:     0.00 R               LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           CLAY PIPES
         REMARKS AND ABSTRACT:
         16MM, 25 MIN., COLOR.
         DESCRIBES USE OF CLAY PIPE.

EPAW00748
         GAMBLE  (OUT OF PRINT)                                                           DATE: 76-99
         AUTHOR(S): CAN TEX                                            TYPE(S): MP            CATEGORIES: M
         SOURCE(S): CLAY PIPE           COST:     0.00                 LEVEL:                 COPYRIGHT:
         SUBJECT AREAS:

         REMARKS AND ABSTRACT:
         16MM, 16 MIN., COLOR

EPAW00750
         GROUND WATER  THE HIDDEN RESERVOIR                                               DATE: 71-00
         AUTHOR(S): GWC                                                TYPE(S): MP            CATEGORIES: E
         SOURCE(S): GWC        AWWA          COST:    15.00 R               LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           HYDROLOGY                     GROUNDWATER                   WATER RESOURCES               WATER WELLS
         REMARKS AND ABSTRACT:
         16 MM, 18 MIN, COLOR, RENTAL FEE FROM AWWA - $3.00 (ORDER NO. F103)
         PRESENTATION OF THE HYDROLOGIC CYCLE AND THE UNDERGROUND WATER TABLES IT CREATES.  BY SHOWING THE NATURAL CYCLE,
         THE FILM PRESENTS A CLEAR PICTURE OF WHAT CONSTITUTES WATER SUPPLY AND HOW THIS MAY BE TAPPED -- NATURALLY (ARTESIAN
         WELLS, SPRINGS, GEISERS) OR ARTIFICIALLY (WELLS, MAN-MADE RESERVOIRS) -- INCLUDING THE THREAT OF SALT WATER PENETRATION
         TO COASTAL RESERVOIRS IF NATURAL WATER SUPPLIES ARE OVERTAXED.

EPAW00750
         LIME  THE VERSATILE CHEMICAL                                                     DATE: 76-00
         AUTHOR(S): NLA                                                TYPE(S): MP            CATEGORIES: E
         SOURCE(S): ALLIED     NLA           COST:     0.00 R               LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           CHEMICALS
         REMARKS AND ABSTRACT:
         16MM, 29 MIN., COLOR, SOUND; PURCHASE PRICE: $200.00 FROM NLA.
         GLIMPSE OF THE LIME INDUSTRY AND COVERING THE DIFFERENCES BETWEEN LIME AND LIMESTONE.  INCLUDES QUARRYING AND
         MINING PLUS CALCINING AND HYDRATING.  DESCRIBES FUNCTIONS OF LIME PLUS MOST OF THE MAJOR USES.
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EPAW00751
        GROUND WATER                                                                                    DATE: 76-99
        AUTHOR(S): BRITANNICA                                    TYPE(S): MP            CATEGORIES: T
        SOURCE(S): BRITANNICA               COST:     4.50 R     LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          GROUNDWATER
        REMARKS AND ABSTRACT:
        (NO. 238) 16MM, 11 MIN., BLACK & WHITE; PURCHASE PRICE: $70.00
        ANIMATED DRAWINGS AND NATURAL PHOTOGRAPHY SHOW HOW WATER SOAKS INTO THE EARTH'S CRUST AND EMERGES IN VARIOUS
        FORMS--AS SEEPAGE, SPRINGS, GEYSERS, AND ARTESIAN WELLS.  EXPLAINS HOW THE CHEMICAL ACTION OF GROUND WATER
        DISSOLVES ROCK TO PRODUCE CAVERNS, AND DEPOSITS MINERALS TO PRODUCE ORE DEPOSITS, CRYSTALS, AND FOSSILS.

EPAW00753
        HEADWATERS  (OUT OF PRINT)                                                                      DATE: 77-99
        AUTHOR(S):                                               TYPE(S): MP            CATEGORIES: E
        SOURCE(S):                          COST:     0.00 P     LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          ECOSYSTEMS                   STREAMS
        REMARKS AND ABSTRACT:
        THE UPPER REACHES OF STREAMS ARE WONDERFUL PARTS OF OUR WORLD, BUT THEY ARE DELICATE AND VULNERABLE ENVIRONMENTS.
        OFTEN ASSAULTED, UNKNOWINGLY, BY MAN IN HIS USE OF THE LAND.  THIS FILM INTRODUCES THE VIEWER TO THE "CITIZENS"
        OF THIS UNIQUE WORLD, FEATURING THE SMALLMOUTH BASS, AND SHOWS HOW THESE CREATURES LIVE AND DIE, IN A SMALL
        HEADWATERS COMMUNITY.

EPAW00754
        HEALING OUR WATERS                                                                              DATE: 76-99
        AUTHOR(S): OH ODNR                                       TYPE(S): MP            CATEGORIES: E
        SOURCE(S): OH ODNR                  COST:     0.00 R     LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          ENVIRONMENTAL CONTROL
        REMARKS AND ABSTRACT:
        16MM, 29 MIN., COLOR.
        WHAT MAN IS DOING TO PROTECT HIS NATURAL WATERS.

EPAW00756
        ILL WINDS  ILL WINDS  (OUT OF PRINT)                                                            DATE: 76-99
        AUTHOR(S): USARCHIVES                                    TYPE(S): MP            CATEGORIES:
        SOURCE(S): NATL AVC                 COST:     0.00       LEVEL:                 COPYRIGHT:
        SUBJECT AREAS:

        REMARKS AND ABSTRACT:
        16MM, 28 MIN., BLACK & WHITE
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EPAW00761
LIVING WATERS DATE: 76-99
AUTHOR(S): PR ASA TYPE(S): MP CATEGORIES: E
SOURCE(S): PR ASA COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ECOSYSTEMS WATER QUALITY
REMARKS AND ABSTRACT:
16MM, COLOR.
EFFECT OF MAN ON THE WATERS OF THE EARTH.

EPAW00770
MUNICIPAL SEWAGE TREATMENT PROCESSES DATE: 51-00
AUTHOR(S): NATL AVC TYPE(S): MP CATEGORIES: E
SOURCE(S): NATL AVC COST: 23.75 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
DOMESTIC WASTEWATERS WASTEWATER TREATMENT PRETREATMENT EQUIPMENT (PLANT)
EFFLUENTS SEDIMENTATION
REMARKS AND ABSTRACT:
16MM, 13 MIN., BLACK & WHITE; TITLE NO. 002565; AGENCY NO. M-0006.
SHOWS THE EQUIPMENT AND EXPLAINS THE PROCESSES USED BY U.S. CITIES TO REDUCE SEWAGE TO HARMLESS EFFLUENT AND SOLIDS, THUS PROTECTING THE HEALTH OF RESIDENTS AND CONSERVING WATER RESOURCES.

EPAW00772
NEW RIVER DATE: 76-99
AUTHOR(S): API TYPE(S): MP CATEGORIES: E
SOURCE(S): API COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
RIVERS INDUSTRIAL WASTES
REMARKS AND ABSTRACT:
16MM, 23 MIN., COLOR.
CLEAN UP OF RIVERS POLLUTED BY PAPER MILL WASTES.

EPAW00773
NEW WATER FOR A THIRSTY WORLD DATE: 71-00
AUTHOR(S): CO BOR TYPE(S): MP CATEGORIES: E
SOURCE(S): CO BOR NATL AVC COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
WATER RESOURCES DESALINATION
REMARKS AND ABSTRACT:
16MM, 22 MIN., OPTICAL SOUND, COLOR; PURCHASE PRICE: $109.50 FROM NATL AVC. (ALSO AVAIL FROM AWWA).
WHAT DEPARTMENT OF THE INTERIOR OFFICE OF WATER RESEARCH AND TECHNOLOGY HAS DONE TO CONVERT SEA BRACKISH WATER INTO USABLE FRESH WATER. TELLS OF SALINE WATER CONVERSION, ITS NEED, ITS WORKINGS, AND ITS FUTURE POTENTIAL.

EPAW00775
OUR WEALTH OF WATERS   DATE: 76-99
AUTHOR(S): TN TGFC   TYPE(S): MP   CATEGORIES: E
SOURCE(S): TN TGFC   COST: 0.00 R   LEVEL: 1   COPYRIGHT:
SUBJECT AREAS:
WATER QUALITY
REMARKS AND ABSTRACT:
16MM., 27 MIN., COLOR.
MAN'S RICH RESOURCES OF WATER.

EPAW00776
PARADISE POLLUTED   DATE: 76-99
AUTHOR(S): SYRACUSE U   TYPE(S): MP   CATEGORIES:
SOURCE(S): SU   COST: 5.00 R   LEVEL: 1   COPYRIGHT:
SUBJECT AREAS:
WATER QUALITY
REMARKS AND ABSTRACT:
16MM, 15 MIN., COLOR.
REVIEW OF MAN'S EFFECT ON THE ENVIRONMENT.

EPAW00777
PENNIES FOR HEALTH   DATE: 76-99
AUTHOR(S): NWI   TYPE(S): MP   CATEGORIES: E
SOURCE(S): NWI   COST: 0.00 R   LEVEL: 1   COPYRIGHT:
SUBJECT AREAS:
WATER SUPPLY
REMARKS AND ABSTRACT:
16MM, 13 MIN., COLOR.
MAN'S NEED FOR A GOOD WATER SUPPLY.

EPAW00778
PIPELINES TO HEALTH   DATE: 64-00
AUTHOR(S): J MANVILLE   TYPE(S): MP   CATEGORIES: D
SOURCE(S): J MANVILLE   COST: 0.00 R   LEVEL: 2   COPYRIGHT: C
SUBJECT AREAS:
PIPES   ASBESTOS CEMENT PIPES   SEWERS
REMARKS AND ABSTRACT:
16MM, 23 MIN., COLOR.
IMPORTANCE OF AN EFFICIENT SEWAGE SYSTEM. EXPLAINS THE IMPORTANCE OF PROPER PLANNING, INSTALLATION OPERATION AND MAINTENANCE REQUIRED FOR THE MAXIMUM EFFICIENCY. DEVELOPMENT OF ASBESTOS CEMENT IS HIGHLIGHTED.

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EPAW00779
         PIPLEINES TO THE FUTURE  (OUT OF PRINT)                                                                DATE: 76-99
         AUTHOR(S): REPUBLIC                                      TYPE(S): MP            CATEGORIES:
         SOURCE(S): REPUBLIC                COST:      0.00       LEVEL:                 COPYRIGHT:
         SUBJECT AREAS:

         REMARKS AND ABSTRACT:
         16MM, 39 MIN., COLOR

EPAW00783
         PURE WATER FROM WASTEWATER                                                                             DATE: 76-99
         AUTHOR(S): TAHOE                                         TYPE(S): MP            CATEGORIES: E
         SOURCE(S): TAHOE                   COST:     10.00 R     LEVEL:   0             COPYRIGHT:
         SUBJECT AREAS:
           WATER REUSE                     WASTEWATER DISPOSAL          TERTIARY TREATMENT
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR, SOUND; PURCHASE:DENNY-WAGONER-WRIGHT, 4100 S.W. BARBUR BLVD., PORTLAND, OREGON 97201

EPAW00784
         RIVER WATCHERS                                                                                         DATE: 62-00
         AUTHOR(S): ORSANCO                 FINLEY                TYPE(S): MP            CATEGORIES: E M O P T
         SOURCE(S): FINLEY                  COST:     30.00 R     LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           MONITORING                      ENVIRONMENTAL CONTROL
           DOMESTIC WASTEWATERS            WATER QUALITY
         REMARKS AND ABSTRACT:
         16MM, 20 MIN., COLOR; PURCHASE PRICE:  8309.41
         ORSANCO'S ROBOT MONITOR SYSTEM AND STREAM SURVEILLANCE.

EPAW00785
         RIVER WITH A PROBLEM                                                                                   DATE: 76-99
         AUTHOR(S): NFBC                                          TYPE(S): MP            CATEGORIES: E
         SOURCE(S): MCGRAW 2                COST:     17.00 R     LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL EFFECTS           RIVERS                       OTTAWA RIVER
         REMARKS AND ABSTRACT:
         16MM., 28 MIN., COLOR.
         USES THE OTTAWA RIVER AS AN EXAMPLE OF WHAT HAPPENS WHEN A RIVER IS USED AS A DUMPING PLACE FOR MUNICIPAL AND
         INDUSTRIAL WASTE.  COLOR ANIMATION ILLUSTRATES EXACTLY WHAT HAPPENS TO RIVER WATER AS IT BECOMES POLLUTED.
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EPAW00787
         SEWER CLEANING AND MAINTENANCE                                                                       DATE: 76-99
         AUTHOR(S): ROCKWELL                                          TYPE(S): MP            CATEGORIES: O
         SOURCE(S): FLEX PIPE              COST:      0.00 R          LEVEL:   2             COPYRIGHT:
         SUBJECT AREAS:
           SEWERS                      MAINTENANCE (WASTEWATER)
         REMARKS AND ABSTRACT:
         16MM, 35 MIN., COLOR.
         REVIEWS PROCEDURES FOR CLEANING AND MAINTENANCE OF SEWERS.

EPAW00794
         STREAM                                                                                               DATE: 62-06
         AUTHOR(S): FILM BUR                                          TYPE(S): MP            CATEGORIES: E
         SOURCE(S): FILM BUR               COST:     12.00 R          LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           STREAMS                     ENVIRONMENTAL CONTROL
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR, SALE $165
         THE TWO BASIC TYPES OF STREAM ENVIRONMENTS ARE EXAMINED
         THROUGH SEASONAL CHANGES.

EPAW00795
         TAHOE  TODAY AND TOMORROW                                                                            DATE: 76-99
         AUTHOR(S): CALIFORNIA                                        TYPE(S): MP            CATEGORIES: E
         SOURCE(S): CA DWR                 COST:      0.00 R          LEVEL:   2             COPYRIGHT:
         SUBJECT AREAS:
           WATER REUSE                 LAKES                          NEVADA
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR.
         DESCRIPTION OF THE TREATMENT SYSTEM IN USE AT LAKE TAHOE TO PROTECT THE LAKE'S BEAUTY.

EPAW00797
         TALE OF THE TWIN CITIES                                                                              DATE: 76-99
         AUTHOR(S): MN MINN                                           TYPE(S): MP            CATEGORIES: E
         SOURCE(S): MN MINN                COST:      0.00 R          LEVEL:   1             COPYRIGHT:
         SUBJECT AREAS:
           URBAN IMPACT                MINNESOTA
         REMARKS AND ABSTRACT:
         16MM, 30 MIN., COLOR.
         PROBLEMS AND SOLUTIONS OF MINNEAPOLIS MINNESOTA IN WATER POLLUTION.
```

EPAW00799
TREATMENT WAS SUCESSFUL BUT THE PATIENT DIED (OUT OF PRINT) DATE: 76-99
AUTHOR(S): US PUBLIC HEALTH TYPE(S): MP CATEGORIES:
SOURCE(S): NATL AVC COST: 0.00 LEVEL: COPYRIGHT:
SUBJECT AREAS:

REMARKS AND ABSTRACT:
16MM, 30 MIN., COLOR

EPAW00801
TROUBLED WATER DATE: 66-00
AUTHOR(S): US SENATE PUBLIC WORKS COMM TYPE(S): MP CATEGORIES: E
SOURCE(S): NATL AVC COST: 96.25 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
RIVERS WATER QUALITY
REMARKS AND ABSTRACT:
16MM, 28 MIN., COLOR; NARRATED BY HENRY FONDA; TITLE NO. 005802.
FOLLOWS THE PATH OF THE OHIO RIVER IN ORDER TO DOCUMENT THE SYMPTOMS AND SOLUTIONS TO THE NATIONAL PROBLEM OF WATER POLLUTION.

EPAW00802
WATER DATE: 76-99
AUTHOR(S): MORTON SALT TYPE(S): MP CATEGORIES: E
SOURCE(S): MTP1 COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
WATER QUALITY WATER REUSE
REMARKS AND ABSTRACT:
16 MM, 27 MIN, COLOR (CODE NO 3830).
EXPLORES BOTH THE ESTHETIC AND PRACTICAL USE OF WATER. IT ENCOURAGES ITS WISER USE AND REUSE. IT COVERS THE HYDROLOGIC CYCLE, WATER CHEMISTRY, POLLUTION, IRRIGATION, CONSERVATION, INDUSTRIAL AND DOMESTIC USE.

EPAW00803
WATER FOR THE CITY DATE: 67-00
AUTHOR(S): BFA TYPE(S): MP CATEGORIES: E O
SOURCE(S): BFA COST: 120.00 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
DISTRIBUTION SYSTEMS
REMARKS AND ABSTRACT:
16MM, 11 MIN., COLOR; STUDY GUIDE.
TRACES THE WATER USED IN A CITY TO ITS SOURCES.

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EPAW00804                                                                                        DATE: 76-99
         WATER BELOW
         AUTHOR(S): MTP                                         TYPE(S): MP             CATEGORIES: E
         SOURCE(S): MTP2                  COST:     0.00 R      LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           GROUNDWATER
         REMARKS AND ABSTRACT:
         16MM, 30 MIN., BLACK & WHITE.
         WHAT IS GROUNDWATER AND HOW DO WE GET IT.

EPAW00806                                                                                        DATE: 76-99
         WISE USE OF WATER RESOURCES
         AUTHOR(S): WORLD FILM                                  TYPE(S): MP             CATEGORIES: E
         SOURCE(S): WORLD FILM            COST:     0.00 R      LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           WATER RESOURCES
         REMARKS AND ABSTRACT:
         16MM, 13 MIN., COLOR.
         DESCRIBES WHAT MAN SHOULD BE DOING TO PROTECT HIS WATER RESOURCES.

EPAW00812                                                                                        DATE: 69-00
         SO YOU D LIKE TO DO SOMETHING ABOUT WATER POLLUTION
         AUTHOR(S): LWV                                         TYPE(S): PM             CATEGORIES: E
         SOURCE(S): LWV                   COST:     0.15 P      LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           PUBLIC PARTICIPATION          WATER QUALITY
         REMARKS AND ABSTRACT:
         PUB. NO. 155
         THE CITIZEN'S ROLE IN REDUCING WATER POLLUTION--AS AN INDIVIDUAL AND A GROUP MEMBER.  THE STEPS TO BE TAKEN INCLUDE INVE
         GATING THE SITUATION (THROUGH READING, INTERVIEWS, ETC.), DEFINING THE PROBLEMS, STUDYING ALTERNATIVE SOLUTIONS, AND WOR
         ING FOR PUBLIC SUPPOR FOR THE ACTION PLAN SELECTED.  INCLUDES LIST OF CONTACT GROUPS.

EPAW00813                                                                                        DATE: 66-00
         GETTING SOMETHING DONE  POLITICAL EFFECTIVENESS AND CONFERENCE TECHNIQUES
         AUTHOR(S): LWV                                         TYPE(S): PM             CATEGORIES: E
         SOURCE(S): LWV                   COST:     0.30 P      LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           PUBLIC PARTICIPATION          PUBLIC RELATIONS               INSTRUCTION
         REMARKS AND ABSTRACT:
         PUBLISHED BY LWV IN COOPERATION WITH SEARS-ROEBUCK FOUNDATION
         HOW A CITIZENS GROUP CAN GAIN POLITICAL IMPACT:  LEARN THE POWER STRUCTURE, GAIN BROAD SUPPORT, ORGANIZE MEMBERS AND
         SELECT EFFECTIVE LEADERSHIP, USE THE NEWS MEDIA.  HOW A GROUP WITH A SPECIFIC GOAL CAN HANDLE OPPOSITION.  CONFERENCE
         TECHNIQUES:  ESTABLISHING GOALS, SPECIAL TECHNIQUES TO USE IN REACHING SOLUTIONS, PHYSICAL ARRANGEMENTS, AND EVALUATIONS
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EPAW00821
        PRIMER ON WASTEWATER TREATMENT  (OUT OF PRINT)                                                DATE: 76-99
        AUTHOR(S): EPA                                      TYPE(S): PM          CATEGORIES:
        SOURCE(S): GPO                 COST:      0.00      LEVEL:               COPYRIGHT:
        SUBJECT AREAS:
          WASTEWATER TREATMENT
        REMARKS AND ABSTRACT:

EPAW00823
        PUBLIC BOND ISSUE CAMPAIGNS  (OUT OF PRINT)                                                   DATE: 76-99
        AUTHOR(S): PCA                                      TYPE(S): PM          CATEGORIES:
        SOURCE(S): PCA                 COST:      0.00      LEVEL:               COPYRIGHT:
        SUBJECT AREAS:
          ECONOMICS
        REMARKS AND ABSTRACT:

EPAW00824
        FINANCING WATER AND SEWAGE WORKS                                                              DATE: 68-00
        AUTHOR(S): PCA                                      TYPE(S): PM          CATEGORIES: P S
        SOURCE(S): PCA                 COST:      1.38 P    LEVEL:    3          COPYRIGHT:
        SUBJECT AREAS:
          ECONOMICS                 WATER RATES
        REMARKS AND ABSTRACT:
        32PP. (NO. 064.04W)
        DISCUSSES GENERAL PRINCIPLES AND METHODS OF FINANCING, INCLUDING REVENUE BONDS; PRESENT PRACTICES AND
        RECOMMENDED PROCEDURES FOR RATE STRUCTURES; AND PUBLICITY AND PUBLIC RELATIONS.

EPAW00827
        UNDERSTANDING THE WORLD OF SEWERAGE                                                           DATE: 76-99
        AUTHOR(S): WEINER D L                               TYPE(S): PM          CATEGORIES: E
        SOURCE(S): CAN TEX             COST:      1.00 P    LEVEL:    1          COPYRIGHT:
        SUBJECT AREAS:
          WASTEWATER TREATMENT
        REMARKS AND ABSTRACT:
        AN INTRODUCTION TO THE VARIOUS FORMS OF TREATMENT NEEDED TO CLEAN UP A CITY'S SPENT WATER.

EPAW00833
        LABORATORY PROCEDURES FOR WASTEWATER TREATMENT PLANT OPERATORS                                DATE: 76-99
        AUTHOR(S): GILCREAS F W        NY DEPT OF HEALTH    TYPE(S): PM          CATEGORIES: M
        SOURCE(S): NY HES              COST:      1.25 P    LEVEL:    2          COPYRIGHT: C
        SUBJECT AREAS:
          ANALYTICAL TECHNIQUES     DATA EVALUATION
        REMARKS AND ABSTRACT:
        142PP.
        LABORATORY TECHNIQUES ADAPTED TO GOVERNING OPERATIONAL ACTIVITIES.  THE MANUAL
        IS INTENDED PRIMARILY FOR USE IN COURSES FOR WASTEWATER TREATMENT PLANT
        OPERATORS, BUT SHOULD BE A HELPFUL REFERENCE FOR ALL TEHOSE ENGAGED
        IN THE ANALYSIS OF SEWAGE SAMPLES.
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EPAW00838
ADVANCED WASTEWATER TREATMENT DATE: 71-00
AUTHOR(S): CULP R L CULP G L TYPE(S): PM CATEGORIES: D T O S
SOURCE(S): VAN NOSTRA COST: 0.00 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
TERTIARY TREATMENT NUTRIENT REMOVAL ACTIVATED CARBON CHEMICAL TREATMENT
FILTRATION OZONATION SLUDGE TREATMENT PROCESS CONTROL
REMARKS AND ABSTRACT:
310PP.
DESCRIBES BENEFITS AND GOALS OBTAINED BY EMPLOYING THE MORE COMMON AWT PROCESSES. LARGE AMOUNT OF DATA AND INFORMATION FROM THE SOUTH LAKE TAHOE PLANT INCLUDED. THE CHAPTER ON OTHER METHODS INCLUDES REVERSE OSMOSIS, ION EXCHANGE AND OZONATION. PROCESS CONTROL IS EMPHASIZED THROUGHOUT AND OPERATOR TRAINING REQUIREMENTS FOR AWT ARE DISCUSSED. VERY PRACTICAL, SUITABLE FOR ADVANCED OPERATORS.

EPAW00850
USE OF SPECTRONIC 20 SPECTROPHOTOMETER DATE: 72-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
COLOR INSTRUMENTATION (LABORATORY)
REMARKS AND ABSTRACT:
UNIT: XT-51, 10 MIN TAPE, 35 SL, SCRIPT.
THE STEPWISE USE OF THE SPECTROPHOTOMETER INCLUDING WARM-UP PROCEDURES, ADJUSTMENTS PRIOR TO USE, MAKING MEASUREMENTS AND CHANGING THE PHOTO TUBE.

EPAW00851
CHLORINE FACTS DATE: 68-10
AUTHOR(S): CHLOR INST TYPE(S): PM CATEGORIES: T
SOURCE(S): CHLOR INST COST: 2.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
CHLORINE
REMARKS AND ABSTRACT:
(FACT) 24PP.
PRESENTS A QUICK SUMMARY OF CHLORINE'S HISTORY, MANUFACTURING PROCESSES, LOCATIONS OF PRODUCTION AND PACKAGING PLANTS, SHIPPING AND SAFETY PRACTICES, U.S. AND CANADIAN PRODUCTION TRENDS, A CHART OF END USES FOR CHLORINE AND A BIBLIOGRAPHY.

EPAW00852
DETERMINATION OF BIOCHEMICAL OXYGEN DEMAND DATE: 72-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
BIOCHEMICAL OXYGEN DEMAND
REMARKS AND ABSTRACT:
UNIT: XT-54, 13 MIN TAPE, 71 SL, SCRIPT.
AN INTRODUCTION TO THE BOD TEST. TOPICS INCLUDE REASONS FOR MAKING THE DETERMINATION, THE PREPARATION OF DILUTION WATER, SEEDING TECHNIQUES, SAMPLE PRETREATMENT AND DILUTION, AND CALCULATIONS.

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EPAW00857                                                                                                     DATE: 71-00
        ELEMENTS OF WATER SUPPLY AND WASTEWATER DISPOSAL
        AUTHOR(S): FAIR G M              GEYER J C               TYPE(S): PM            CATEGORIES: D T P
        SOURCE(S): WILEY                 COST:     21.75 P       LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          WATER QUALITY               WATER SUPPLY               AERATION                    DISTRIBUTION SYSTEMS
          CHEMICAL TREATMENT          BIOLOGICAL TREATMENT       DESALINATION                ION EXCHANGE
          ADSORPTION                  COLLECTION SYSTEMS
        REMARKS AND ABSTRACT:
        (ORDER NO 0 471 25115-1), 752 PP, AUTH: D A OKUN.
        WATER AND WASTEWATER SYSTEMS, STATISTICAL HYDROLOGY, SURFACEWATER COLLECTION, GROUNDWATER DEVELOPMENT, WATER
        TRANSMISSION, FLOW IN SEWERS AND THEIR APPURTENANCES, WATER-QUALITY MANAGEMENT, UNIT OPERATIONS AND TREATMENT
        KINETICS, AERATION AND GAS TRANSFER, SCREENING, SEDIMENTATION, AND FLOTATION.  FILTRATION, FLOCCULATION, ADSORPTION,
        DESALINATION, AND ION EXCHANGE.  CHEMICAL COAGULATION, PRECIPITATION, AND STABILIZATION, INCLUDING THE MITIGATION
        OF CORROSION.  DISINFECTION.  BIOLOGICAL TRANSFER PROCESSES.  BIOLOGICAL TREATMENT SYSTEMS.

EPAW00866                                                                                                     DATE: 74-07
        LABORATORY WASTE DISPOSAL MANUAL
        AUTHOR(S): MCA                                           TYPE(S): PM            CATEGORIES: M O S
        SOURCE(S): MCA                   COST:      3.50 P       LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)           CHEMICALS                  WASTEWATER DISPOSAL
        REMARKS AND ABSTRACT:
        174PP.
        DETAILED PROCEDURES ON METHODS TO DISPOSE OF
        HAZAROUS MATERIALS.

EPAW00886                                                                                                     DATE: 72-00
        WASTEWATER ENGINEERING
        AUTHOR(S): METCALF AND EDDY                              TYPE(S): PM            CATEGORIES: D M T
        SOURCE(S): MCGRAW                COST:     19.50 P       LEVEL:   3             COPYRIGHT: C
        SUBJECT AREAS:
          ANALYTICAL TECHNIQUES       COLLECTION SYSTEMS         FLOW MEASUREMENT            DATA EVALUATION
          PUMPS                       WASTEWATER CHARACTERISTICS CHEMICAL TREATMENT          BIOLOGICAL TREATMENT
          WASTEWATER TREATMENT DESIGN EFFLUENTS                  DILUTION                    SLUDGE TREATMENT
          MICROBIOLOGY                PHYSICAL TREATMENT         ANALYTICAL TECHNIQUES
        REMARKS AND ABSTRACT:
        782 PP.
        REFERENCE TEXT OUTLINING COLLECTION, TREATMENT AND DISPOSAL OF SEWAGE.  EMPHASIZES PLANT
        FACILITY DESIGN AND EQUIPMENT.  COLLECTION SYSTEMS DESCRIBED IN DETAIL (FLOW MEASUREMENT, HYDRAULICS,
        SEWER DESIGN, AND SPECIAL APPURTENANCES), AS ARE DISPOSAL PROCESSES.  EACH CHAPTER CONTAINS
        PROBLEMS.  SUPERCEDES THE 1922 METCALF AND EDDY TEXT, 'SEWERAGE AND SEWAGE DISPOSAL'.  TABLES,
        GRAPHS, ILLUS, BIBL.
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EPAW00901

DETERMINATION OF GREASE AND OIL DATE: 74-03
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
OIL AND GREASE
REMARKS AND ABSTRACT:
UNIT: XT-56, 15 MIN TAPE, 54 SL, SCRIPT.
THE LABORATORY PROCEDURE TO DETERMINE GREASE AND OIL. TOPICS ARE: TERMINOLOGY, PROBLEMS CAUSED BY GREASE AND OIL IN WASTEWATER TREATMENT, SAMPLING AND PRESERVATION, APPARATUS, THE STEPWISE PROCEDURE AND CALCULATIONS.

EPAW00902

DETERMINATION OF SUSPENDED SOLIDS DATE: 73-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
SUSPENDED MATTER
REMARKS AND ABSTRACT:
UNIT: XT-57, 10 MIN TAPE, 40 SL, SCRIPT.
THE LABORATORY PROCEDURE TO DETERMINE SUSPENDED SOLIDS. TOPICS ARE: IMPORTANCE OF SUSPENDED SOLIDS TO WATER QUALITY, SAMPLING, APPARATUS, THE STEP-WISE PROCEDURE AND CALCULATIONS.

EPAW00903

PROCESS CONTROL DEMANDS PART A DATE: 72-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: O S
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ACTIVATED SLUDGE SLUDGE TREATMENT PROCESS CONTROL
REMARKS AND ABSTRACT:
UNIT: XT-60, 10 MIN TAPE, 36 SL, SCRIPT.
INTRODUCTION TO A SERIES ON OPERATIONAL CONTROL OF AN ACTIVATED SLUDGE PROCESS. A PLANT SCHEMATIC IS USED TO PRESENT THE EFFECTS OF RETURN SLUDGE FLOW ADJUSTMENTS ON SLUDGE CONCENTRATIONS, SLUDGE DETENTION TIMES, PROCESS EQUILIBRIUM, SLUDGE CHARACTERISTICS, AND FINAL EFFLUENT QUALITY.

EPAW00904

PROCESS CONTROL DEMANDS PART B DATE: 72-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: O S
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ACTIVATED SLUDGE PROCESS CONTROL MATHEMATICS
REMARKS AND ABSTRACT:
UNIT: XT-61, 15 MIN TAPE, 40 SL, SCRIPT.
ONE OF A SERIES, THIS UNIT PRESENTS THE DERIVATION OF MIXING FORMULAE THAT WILL BE USED IN SUBSEQUENT SECTIONS TO DEVELOP THE RETURN SLUDGE FLOW DEMAND FORMULA USED IN OPERATIONAL CONTROL OF AN ACTIVATED SLUDGE PROCESS. A SCHEMATIC IS USED TO ILLUSTRATE COMPONENTS OF THE FORMULAE AND TO DEVELOP A FINAL MASS BALANCE RATIO OF RETURN SLUDGE CONCENTRATION IN TERMS OF CLARIFIER SLUDGE PERCENTAGE. SIMPLE MIXING FORMULAE ARE THEN DERIVED FOR EACH OF THE THREE FACTORS ALONG WITH EXAMPLE CALCULATIONS.

EPAW00937
WEAR YOUR HARD HAT DATE: 76-99
AUTHOR(S): AIM TYPE(S): MP CATEGORIES: O
SOURCE(S): AIM COST: 30.00 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
PROTECTIVE CLOTHING AND EQUIP
REMARKS AND ABSTRACT:
(KB-114) 16MM, 8 MIN., COLOR.
IMPORTANCE OF WEARING A HARD HAT ON CONSTRUCTION SITES.

EPAW00938
HANDLING LIQUIDS DATE: 76-99
AUTHOR(S): AIM TYPE(S): MP CATEGORIES: M
SOURCE(S): AIM COST: 2.25 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
LABORATORY SKILLS SAFETY (CHEMICAL)
REMARKS AND ABSTRACT:
(YF-205) 16MM, 4 MIN., COLOR.
PROCEDURES FOR HANDLING LIQUIDS IN THE CHEMISTRY LABORATORY.

EPAW00939
HANDLING GASES DATE: 76-99
AUTHOR(S): AIM TYPE(S): MP CATEGORIES: M
SOURCE(S): AIM COST: 2.25 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
LABORATORY SKILLS
REMARKS AND ABSTRACT:
(YF-206) 16MM, 3 MIN., COLOR.
PROCEDURES FOR HANDLING GASES IN THE CHEMISTRY LABORATORY.

EPAW00940
HANDLING SOLIDS DATE: 76-99
AUTHOR(S): AIM TYPE(S): MP CATEGORIES: M
SOURCE(S): AIM COST: 2.25 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
LABORATORY SKILLS
REMARKS AND ABSTRACT:
(YF-204) 16MM, 3 MIN., COLOR.
PROCEDURES FOR HANDLING SOLIDS IN THE CHEMISTRY LABORATORY.

EPAW00942 DATE: 76-99
FIRE SAFETY IN THE LABORATORY
AUTHOR(S): AIM TYPE(S): MP CATEGORIES: M
SOURCE(S): AIM COST: 2.25 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
SAFETY (FIRES)
REMARKS AND ABSTRACT:
(YF-212) 16MM, 2 MIN., COLOR.
PROCEDURES FOR PREVENTING AND CONTROLING FIRES IN THE CHEMISTRY LABORATORY.

EPAW00956 DATE: 75-00
ANNUAL BOOK OF ASTM STANDARDS 1976 PART 31 WATER
AUTHOR(S): ASTM TYPE(S): PM CATEGORIES: M T
SOURCE(S): ASTM COST: 31.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ANALYTICAL TECHNIQUES CHEMICAL ANALYSIS BACTERIAL ANALYSIS DATA EVALUATION
CORROSION STANDARDS SAMPLING BIOLOGICAL ANALYSIS
MONITORING PHYSICAL ANALYSIS
REMARKS AND ABSTRACT:
PUBL NO 01-031074-16, 924 PP.
CONTAINS ALL OF THE ASTM STANDARDS ON WATER ANALYSIS.

EPAW00966 DATE: 75-06
LOCATION OF CHLORINE EMERGENCY KITS
AUTHOR(S): CHLOR INST TYPE(S): PM CATEGORIES: O
SOURCE(S): CHLOR INST COST: 2.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
CHLORINE SAFETY CHEMICAL TRANSPORT
REMARKS AND ABSTRACT:
(NO. 35), 44PP. 11TH ED.
LOCATION AND IDENTITY OF CHLORINE EMERGENCY KITS FOR CYLNDERS, TON CONTAINERS, TANK CARS AND TANK TRUCKS.

EPAW00967 DATE: 71-09
MAINTENANCE INSTRUCTIONS FOR CHLORINE INSTITUTE STANDARD SAFETY VALVES TYPE 1 1/2 JQ
AUTHOR(S): CHLOR INST TYPE(S): PM CATEGORIES: O
SOURCE(S): CHLOR INST COST: 2.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
CHLORINE VALVES
REMARKS AND ABSTRACT:
(NO. 39), 28PP., 6TH ED.; INCLUDES DRAWINGS.
ILLUSTRATED INSTRUCTIONS ON MAINTENANCE OF CROSBY STYLE 1 1/2 JQ CHLORINE SAFETY VALVES.

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EPAW00968
        MAINTENANCE INSTRUCTIONS FOR CHLORINE INSTITUTE STANDARD ANGLE VALVE                                          DATE: 75-05
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM            CATEGORIES: 0
        SOURCE(S): CHLOR INST              COST:     2.50 P            LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                         VALVES
        REMARKS AND ABSTRACT:
        (NO. 40), 20PP., 3RD ED., INCLUDES DRAWINGS.
        ILLUSTRATED INSTRUCTIONS ON MAINTENENCE OF STANDARD CHLORINE ANGLE VALVE.

EPAW00969
        MAINTENANCE INSTRUCTIONS FOR CHLORINE INSTITUTE STANDARD SAFETY VALVES  TYPE 4 JQ                             DATE: 75-05
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM            CATEGORIES: 0
        SOURCE(S): CHLOR INST              COST:     2.50 P            LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                         VALVES
        REMARKS AND ABSTRACT:
        (NO. 41), 20PP., 3RD ED., INCLUDES DRAWINGS.
        ILLUSTRATED INSTRUCTIONS ON MAINTENANCE OF 4 JQ SAFETY VALVES.

EPAW00970
        MAINTENANCE INSTRUCTIONS FOR CHLORINE INSTITUTE STANDARD EXCESS FLOW VALVES                                   DATE: 72-05
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM            CATEGORIES: 0
        SOURCE(S): CHLOR INST              COST:     2.50 P            LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                         VALVES
        REMARKS AND ABSTRACT:
        (NO. 42), 16PP, 3RD ED., INCLUDES DRAWINGS.
        ILLUSTRATED INSTRUCTIONS ON MAINTENANCE OF STANDARD CHLORINE EXCESS FLOW VALVES.

EPAW00972
        VISUAL INSPECTION OF CHLORINE TON CONTAINERS                                                                  DATE: 74-03
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM            CATEGORIES: 0
        SOURCE(S): CHLOR INST              COST:     1.25 P            LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                         TANKS
        REMARKS AND ABSTRACT:
        (NO. 53), 10PP., 3RD ED., INCLUDES DRAWINGS.
        GUIDE TO CONTAINER USERS FOR ESTABLISHING PROCEDURES AND STANDARDS FOR PERIODIC CONTAINER INSPECTION.
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EPAW00974
          CHLORINE RELATED AUDIOVISUAL TRAINING AIDES                                                    DATE: 74-05
          AUTHOR(S): CHLOR INST                                    TYPE(S): PM         CATEGORIES: O D E
          SOURCE(S): CHLOR INST          COST:     0.50 P          LEVEL:   1          COPYRIGHT:
          SUBJECT AREAS:
            CHLORINE                 INDEXES AND BIBLIOGRAPHIES    VISUAL AIDS
          REMARKS AND ABSTRACT:
          (NO. 58), 2PP.
          LISTS KNOWN FILMS AND FILMSTRIPS AVAILABLE FOR TRAINING PURPOSES AND INFORMATION AS TO TYPE, CONTENT, DURATION, AND
          AVAILABILITY.

EPAW00975
          FIRST AID AND MEDICAL MANAGEMENT OF CHLORINE EXPOSURES                                         DATE: 75-02
          AUTHOR(S): CHLOR INST                                    TYPE(S): PM         CATEGORIES: O
          SOURCE(S): CHLOR INST          COST:     1.25 P          LEVEL:   1          COPYRIGHT:
          SUBJECT AREAS:
            CHLORINE                 FIRST AID
          REMARKS AND ABSTRACT:
          (NO. 63), 2ND ED., 4PP.
          GIVES RECOMMENDATIONS ON FIRST AID AND MEDICAL MANAGEMENT OF CHLORINE EXPOSURES.  DEVELOPED BY THE INSTITUTE'S
          ENVIRONMENTAL HEALTH COMMITTEE.

EPAW00976
          CHLORINE INSTITUTE EMERGENCY KIT FLYER                                                         DATE: 74-00
          AUTHOR(S): CHLOR INST                                    TYPE(S): PM         CATEGORIES: O
          SOURCE(S): CHLOR INST          COST:     0.00 P          LEVEL:   1          COPYRIGHT:
          SUBJECT AREAS:
            INDEXES AND BIBLIOGRAPHIES    CHLORINE
          REMARKS AND ABSTRACT:
          (FLY-K)
          PROVIDES DETAILS ON THE PURCHASE OF CHLORINE INSTITUTE EMERGENCY KITS A, B, AND C, SPARE OR REPLACEMENT PARTS,
          AND TRAINING AIDS.

EPAW00977
          INSTRUCTION BOOKLET CHLORINE INSTITUTE EMERGENCY KIT A FOR CHLORINE CYLINDERS 100 AND 150 POUNDS       DATE: 75-00
          AUTHOR(S): CHLOR INST                                    TYPE(S): PM         CATEGORIES: O
          SOURCE(S): CHLOR INST          COST:     2.00 P          LEVEL:   1          COPYRIGHT:
          SUBJECT AREAS:
            CHLORINE                 SAFETY
          REMARKS AND ABSTRACT:
          (IB/A) 12PP., 2ND ED.
          PROVIDES INSTRUCTIONS AND ILLUSTRATES THE USE OF CHLORINE INSTITUTE EMERGENCY KIT "A".  INCLUDES COMPLETE PARTS
          LIST.
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EPAW00978
        INSTRUCTION BOOKLET FOR CHLORINE INSTITUTE EMERGENCY KIT B FOR TON CONTAINERS                          DATE: 76-00
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM          CATEGORIES: D
        SOURCE(S): CHLOR INST             COST:      2.00 P            LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                      SAFETY
        REMARKS AND ABSTRACT:
        (IB/B), 12PP., 4TH ED.
        PROVIDES INSTRUCTIONS AND ILLUSTRATES THE USE OF CHLORINE INSTITUTE EMERGENCY KIT B.  INCLUDES COMPLETE PARTS LIST.

EPAW00979
        INSTRUCTION BOOKLET FOR CHLORINE INSTITUTE EMERGENCY KIT C FOR TANK CARS AND TANK TRUCKS               DATE: 76-00
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM          CATEGORIES: D
        SOURCE(S): CHLOR INST             COST:      2.00 P            LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                      SAFETY
        REMARKS AND ABSTRACT:
        (IB/B), 16PP., 5TH ED.
        PROVIDES INSTRUCTIONS AND ILLUSTRATES THE USE OF CHLORINE INSTITUTE EMERGENCY KIT C.  INCLUDES COMPLETE PARTS LIST.

EPAW00980
        WALL CHART  SAFE HANDLING OF CHLORINE CONTAINERS                                                      DATE: 64-00
        AUTHOR(S): CHLOR INST                                          TYPE(S): PM          CATEGORIES: T
        SOURCE(S): CHLOR INST             COST:      1.75 P            LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                      SAFETY
        REMARKS AND ABSTRACT:
        (WC-1), CHART MEASURES 12 1/2 X 23 INCHES.
        CONTAINS RECOMMENDATIONS FOR SAFE HANDLING OF CHLORINE CYLINDERS AND TON CONTAINERS, EMERGENCY PROCEDURES AND
        APPLICABLE PRINCIPLES OF FIRST AID.

EPAW00984
        HOW TO USE THE CHLORINE INSTITUTE EMERGENCY KIT B FOR TON CONTAINERS                                  DATE: 73-00
        AUTHOR(S): CHLOR INST                                          TYPE(S): SL PM       CATEGORIES: D
        SOURCE(S): CHLOR INST             COST:     30.00 P            LEVEL:   1           COPYRIGHT:
        SUBJECT AREAS:
          CHLORINE                      SAFETY
        REMARKS AND ABSTRACT:
        (B SL[illegible] [illegible]2 COLOR SLIDES, SCRIPT AVAILABLE IN EITHER ENGLISH OR FRENCH.
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EPAW00985
HOW TO USE THE CHLORINE INSTITUTE EMERGENCY KIT C FOR TANK CARS AND TANK TRUCKS DATE: 71-00
AUTHOR(S): CHLOR INST TYPE(S): SL PM CATEGORIES: O
SOURCE(S): CHLOR INST COST: 30.00 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
CHLORINE SAFETY TANKS
REMARKS AND ABSTRACT:
(C SLIDES), 60-2X2 COLOR SLIDES, SCRIPT AVAILABLE IN EITHER ENGLISH OR FRENCH.

EPAW00990
SAFETY MANUAL DATE: 76-99
AUTHOR(S): CA WPCA TYPE(S): PM CATEGORIES: O
SOURCE(S): CA WPCA COST: 0.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
SAFETY
REMARKS AND ABSTRACT:
SAFETY PROCEDURES TO BE FOLLOWED IN OPERATION OF A WATER POLLUTION CONTROL FACILITY.

EPAW01000
WATER RESOURCEFULNESS DATE: 66-00
AUTHOR(S): NY STATE FINLEY TYPE(S): MP CATEGORIES: E P
SOURCE(S): FINLEY COST: 20.00 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
FLOODS WATER STORAGE WATER QUALITY ADMINISTRATIVE AGENCIES
BIOLOGY ENVIRONMENTAL CONTROL
REMARKS AND ABSTRACT:
16MM, 22 MIN, COLOR; PURCHASE PRICE: 020000P.
NEW YORK STATE'S COMPREHENSIVE WATER RESOURCES PROGRAM.

EPAW01001
ONE TWO THREE CLEAN DATE: 74-01
AUTHOR(S): FINLEY TYPE(S): MP CATEGORIES: E O P
SOURCE(S): FINLEY COST: 20.00 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
WATER QUALITY PRIMARY TREATMENT SECONDARY TREATMENT ENVIRONMENTAL CONTROL
DOMESTIC WASTEWATERS TERTIARY TREATMENT BIOLOGY
REMARKS AND ABSTRACT:
16MM, 13 MIN., COLOR; PURCHASE PRICE: 020000P
SHOWS HOW A TERTIARY SEWAGE TREATMENT PLANT WORKS.

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EPAW01002
         WATER QUALITY PLANNING                                                                               DATE: 73-00
         AUTHOR(S): MD ICPRB                                           TYPE(S): PM            CATEGORIES: P
         SOURCE(S): MD ICPRB                COST:      0.00 P          LEVEL:   3             COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY                PLANNING
         REMARKS AND ABSTRACT:
         32 PP.
         PROCEEDINGS OF THE ANNUAL SPRING MEETING HELD ON MAY 10, 1973 AT NEW CARROLLTON, MD BY ICPRB.

EPAW01003
         PROGRAM FOR ACCIDENTAL SPILL REPORTING (OUT OF PRINT)                                                DATE: 76-99
         AUTHOR(S): MD ICPRB                                           TYPE(S): PM            CATEGORIES:
         SOURCE(S): MD ICPRB                COST:      0.00 P          LEVEL:                 COPYRIGHT:
         SUBJECT AREAS:
           SPILLS (CHEMICAL)
         REMARKS AND ABSTRACT:

EPAW01004
         ECONOMIC IMPACT OF COAL MINING AND STATE REPORTS ON WATER POLLUTION CONTROL                          DATE: 72-11
         AUTHOR(S): MD ICPRB                                           TYPE(S): PM            CATEGORIES: P
         SOURCE(S): MD ICPRB                COST:      0.00 P          LEVEL:   3             COPYRIGHT:
         SUBJECT AREAS:
           ACID MINE DRAINAGE           ENVIRONMENTAL EFFECTS          ADMINISTRATIVE AGENCIES      WATER QUALITY
           ECONOMICS                    RIVERS                         LAND RECLAMATION
         REMARKS AND ABSTRACT:
         20 PP.
         PROCEEDINGS FROM ICPRB'S ANNUAL FALL MEETING HELD IN CUMBERLAND, MD, NOV 1-3, 1972 BY ICPRB.

EPAW01005
         POPULATION AND POLLUTION                                                                             DATE: 70-12
         AUTHOR(S): BERLET W H              STAPP W B                  TYPE(S): MP            CATEGORIES: E
         SOURCE(S): FILM BUR                COST:     12.50 R          LEVEL:   1             COPYRIGHT: C
         SUBJECT AREAS:
           WATER QUALITY                CONSERVATION
         REMARKS AND ABSTRACT:
         16MM, 17 MIN., COLOR, SALE $225
         SHOWS THAT THE PROBLEMS OF POLLUTION ARE CAUSED BOTH BY
         MISUSE OF THE ENVIRONMENT AND BY THE GREAT DEMANDS OF A
         GROWING POPULATION.  EMPHASIZES THE NEED FOR CHANGES IN
         ATTITUDE AND A COMMITMENT TO FINDING BOTH SHORT-RANGE AND
         LONG-RANGE SOLUTIONS TO PROBLEMS OF AIR, WATER, AND LAND POLLUTION.
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EPAW01006
          FOR GRANTED  THE WATER WE DRINK  (OUT OF PRINT)                                                       DATE: 76-99
          AUTHOR(S): NET                                             TYPE(S): MP              CATEGORIES:
          SOURCE(S): IN UNIV              COST:      0.00            LEVEL:                   COPYRIGHT:
          SUBJECT AREAS:
            WATER TREATMENT
          REMARKS AND ABSTRACT:
          16MM, 17 MIN., COLOR

EPAW01007
          SLOW DEATH OF THE DESERT WATER                                                                        DATE: 70-00
          AUTHOR(S): NET                                             TYPE(S): MP              CATEGORIES: E T
          SOURCE(S): IN UNIV              COST:     12.50 R          LEVEL:   1               COPYRIGHT: C
          SUBJECT AREAS:
            ENVIRONMENTAL CONTROL         LAKES                      WATER QUALITY                    TOXICITY TO FISH
          REMARKS AND ABSTRACT:
          16MM, 30 MIN., COLOR
          PYMAID LAKE, IN NEVADA, IS DRYING UP BECAUSE OF MAN'S INTERFERENCE WITH NATURE.  THE SOURCES OF WATER IS A RIV-
          ER FROM LAKE TAHOE, BUT DAMS DIVERT MOST FOR OTHER PURPOSES AND LAKE TAHOE, ITSELF, IS BECOMING POLLUTED.  SOME
          FISH ARE ALREADY EXTINCT AND THE EXISTENCE OF WHITE PELICANS AND CUI-CUI, A DESERT FISH FOUND NOWHERE ELSE IN
          THE WORLD, IS THREATENED.  THERE ARE ALSO SONIC BOOMS WHICH GULLS HAVE LEARNED TO CAPITALIZE UPON FOR FOOD
          AT THE EXPENSE OF OTHER BIRDS.

EPAW01008
          WATER FOR A THIRSTY WORLD  (OUT OF PRINT)                                                             DATE: 54-00
          AUTHOR(S): NET                                             TYPE(S): MP              CATEGORIES:
          SOURCE(S): IN UNIV              COST:      0.00            LEVEL:                   COPYRIGHT:
          SUBJECT AREAS:
            WATER TREATMENT
          REMARKS AND ABSTRACT:
          16MM, 30 MIN., BLACK AND WHITE

EPAW01009
          MODERN WATER TREATMENT                                                                                DATE: 76-99
          AUTHOR(S): INFILCO                                         TYPE(S): MP              CATEGORIES: O D
          SOURCE(S): INFILCO              COST:      0.00 R          LEVEL:   2               COPYRIGHT:
          SUBJECT AREAS:
            WATER TREATMENT
          REMARKS AND ABSTRACT:
          16MM.
          REVIEW OF WATER TREATMENT METHODS.
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EPAW01010
        ACCELATOR                                                                                          DATE: 76-99
        AUTHOR(S): INFILCO                                         TYPE(S): PM MP        CATEGORIES: D
        SOURCE(S): INFILCO                COST:      0.60 P        LEVEL:   2            COPYRIGHT:
        SUBJECT AREAS:
          SEDIMENTATION
        REMARKS AND ABSTRACT:
        (N530), 16 MM, 17 MIN, COLOR (ACCOMPANYING PRINTED MATTER $.60).
        DESCRIBES THE OPERATION OF THE ACCELATOR.

EPAW01011
        WATER  WASTE  REUSE                                                                                DATE: 76-00
        AUTHOR(S): INFILCO                                         TYPE(S): PM           CATEGORIES: T
        SOURCE(S): INFILCO                COST:      0.50 P        LEVEL:   2            COPYRIGHT:
        SUBJECT AREAS:
          WATER REUSE
        REMARKS AND ABSTRACT:
        DESCRIBES POSSIBLE RECYCLING TECHNOLOGIES.

EPAW01012
        BIOASSAY TECHNIQUES AND ENVIRONMENTAL CHEMISTRY                                                    DATE: 73-00
        AUTHOR(S): GLASS G E              ANN ARBOR                TYPE(S): PM           CATEGORIES: E O T
        SOURCE(S): ANN ARBOR              COST:     20.00 P        LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          BIOASSAY                     ORGANIC CONTAMINANTS        BIOLOGICAL ANALYSIS         CHEMICAL ANALYSIS
          ENVIRONMENTAL CONTROL
        REMARKS AND ABSTRACT:
        496 PP, 128 FIGURES, 596 REFERENCES.
        DDESCRIBES BIOASSAY TECHNIQUES COMPLETELY FOR A WIDE VARIETY OF ORGANISMS AND CONDITIONS.
        STATE-OF-THE-ART IS APPLIED TO SOLVING ENVIRONMENTAL PROBLEMS USING BIOLOGICAL AND CHEMICAL INDICATORS.
        LIVING ORGANISMS STUDIED AS INDICATORS OF ENVIRONMENTAL POLLUTION -- STRESSES AND EFFECTS.
        PROVIDES EXAMPLES OF END POINTS AND INDICATORS USED IN BIOASSAY.
        DDESCRIBES CONDITIONS AND SUPPORTING TECHNIQUES FOR BIOASSAY AND APPLICATIONS.

EPAW01013
        ENVIRONMENTAL MERCURY CONTAMINATION                                                                DATE: 72-00
        AUTHOR(S): HARTUNG R              DINMAN B D               TYPE(S): PM           CATEGORIES: M O P S T
        SOURCE(S): ANN ARBOR              COST:     22.50 P        LEVEL:   3            COPYRIGHT: C
        SUBJECT AREAS:
          CHEMICAL TRANSPORT           ENVIRONMENTAL CONTROL       MERCURY
        REMARKS AND ABSTRACT:
        358 PP, 69 FIGURES, 80 TABLES.
        COMPREHENSIVE PRESENTATION AND ANALYSIS OF FACTORS IN THE CAUSES AND EFFECTS OF ENVIRONMENTAL MERCURY CONTAMINATION
        DISCUSSES SOURCES AND SUBSEQUENT DISTRIBUTION AND TRANSPORT OF MERCURY.
        CENTRAL ROLES OF THE METHYLATION PROCESS AND FOOD CHAIN PHENOMENA ARE EXPLORED.
        PRESENTS DETAILED SUMMARIES OF EFFECTS OF ACUTE AND CHRONIC EXPOSURES TO INORGANIC AND ORGANIC MERCURY COMPOUNDS.
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EPAW01014
         BIOLOGICAL INDICATORS OF ENVIRONMENTAL QUALITY                                                        DATE: 73-00
         AUTHOR(S): THOMAS W A             GOLDSTEIN G              TYPE(S): PM           CATEGORIES: L M O S T
         SOURCE(S): ANN ARBOR              COST:     16.50 P        LEVEL:   3            COPYRIGHT: C
         SUBJECT AREAS:
           ENVIRONMENTAL CONTROL        BIOLOGY                     MONITORING                   INDEXES AND BIBLIOGRAPHIES
           WATER QUALITY
         REMARKS AND ABSTRACT:
         AUTH: WILCOX W H, 254 PP.
         SOURCE BOOK ON BIOLOGICAL INDICATORS -- LIVING ORGANISMS AS THEY PROVIDE ASSESSMENT OF ENVIRONMENTAL QUALITY.
         COMPILATION OF ABSTRACTS TO PROMOTE USE OF THESE MONITORS, AND TO EMPHASIZE PRACTICAL ASPECTS OF THEIR INTERPRETATION.
         DEALS WITH CELL-FREE SYSTEMS; CULTURED CELLS-TISSUES, AND ORGANS; PLANT TISSUE; ORGANISMS.

EPAW01015
         DETECTION AND DETERMINATION OF TRACE ELEMENTS                                                         DATE: 73-00
         AUTHOR(S): PINTA M                ANN ARBOR                TYPE(S): PM           CATEGORIES: O T
         SOURCE(S): ANN ARBOR              COST:     24.50 P        LEVEL:   3            COPYRIGHT:
         SUBJECT AREAS:
           ANALYTICAL TECHNIQUES        TRACE METALS                SAMPLING
         REMARKS AND ABSTRACT:
         6TH ENGLISH PRINTING, 583 PP, 2344 REFERENCES.
         COMPLETE PRESENTATION OF BASIC AVAILABLE METHODS OF TRACE ANALYSIS OF EACH ELEMENT.
         ENABLES READER TO SELECT METHOD OF ANALYSIS TO PRODUCE ULTIMATE RELIABILITY, SENSITIVITY, ACCURACY, RAPIDITY.
         COVERS ABSORPTION SPECTROPHOTOMETRY OR COLORIMETRY; EMISSION SPECTROPHOTOMETRY; NEW CONCEPT OF POLAROGRAPHIC ANALYSIS.
         PRESENTS GENERAL SURVEY OF OTHER METHODS SUCH AS FLUORESCENCE AND X-RAY SPECTROSCOPY AND RADIOCHEMICAL METHODS.
         FOR AIR AND WATER POLLUTION CONTROL, BIOLOGY, CHEMISTRY, NUCLEAR CHEMISTRY.

EPAW01016
         HOW TO SAY IT SO THEY HEAR IT                                                                         DATE: 73-00
         AUTHOR(S): SHOWALTER D                                     TYPE(S): PM           CATEGORIES: S
         SOURCE(S): ANN ARBOR              COST:      7.50 P        LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           PUBLIC SPEAKING
         REMARKS AND ABSTRACT:
         160 PP.
         SHOWS HOW TO FACE AN AUDIENCE, SPEAK (OR WRITE TO) AN AUDIENCE, AND PLEASE AN AUDIENCE, LARGE OR SMALL.
         PRECISE, CONCRETE GUIDEPOSTS TO GETTING IT SAID, AND BEING HEARD.

EPAW01017
         CONTROL OF SULPHIDES IN SEWERAGE SYSTEMS                                                              DATE: 72-00
         AUTHOR(S): THISTLETHWAYTE D       ANN ARBOR                TYPE(S): PM           CATEGORIES: M O P S
         SOURCE(S): ANN ARBOR              COST:     24.50 P        LEVEL:   3            COPYRIGHT:
         SUBJECT AREAS:
           SEWERS                       SULFIDES                    CORROSION
         REMARKS AND ABSTRACT:
         154 PP, 98 FIGURES.
         EXAMINES EFFECTS OF HYDROGEN SULFIDE ON STRUCTURAL MATERIALS USED IN SEWAGE SYSTEMS AND PROPOSES SOLUTIONS TO PROBLEM.
         DESCRIBES SEQUENCE NEEDED FOR HYDROGEN SULPHIDE CORROSION TO OCCUR.
         THE SEQUENCE IS FROM SULFIDES IN WASTE MATERIALS, EVOLUTION OF GASEOUS SULFIDES AND OXIDATION PROCESS.
         ALSO INCLUDES A DISCUSSION OF RELATED ASPECTS OF SEWAGE VENTILATION, IN REGARD TO SMELLS.
         DDISCUSSES RELATED ASPECTS OF SEWAGE VENTILATION IN REGARD TO THE POSSIBLE DEVELOPMENT OF POISONOUS CONDITIONS.
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EPAW01018
        ANALYSIS OF ORGANIC POLLUTANTS IN WATER AND WASTEWATER                                        DATE: 73-00
        AUTHOR(S): LEITHE W                ANN ARBOR              TYPE(S): PM          CATEGORIES: E O S T
        SOURCE(S): ANN ARBOR               COST:    20.00 P       LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          SAMPLING                         ORGANIC CONTAMINANTS   ANALYTICAL TECHNIQUES        POLLUTANTS
          INSTRUMENTATION (LABORATORY)
        REMARKS AND ABSTRACT:
        224 PP, 22 FIGURES, 26 TABLES, 346 REFERENCES.
        COMPLETE REFERENCE FOR PERFORMING ANALYSIS OF ORGANIC POLLUTANTS.
        COVERS WATER TECHNOLOGY, HYGIENE, ENGINEERING ASPECTS.
        CHARACTERIZES ANALYTICAL METHODS, PARTICULARLY CHROMATOGRAPHIC SEPARATION, SAMPLING, ENRICHMENT, ODOR TESTING.
        DEALS ALSO WITH ELEMENTAL ANALYSIS, INSTRUMENTAL METHODS AND INCLUDES SPECIAL SECTIONS ON INDIVIDUAL POLLUTANTS.
        POLLUTANTS COVERED:  CYANIDES, PHENOLS, DETERGENTS, HYDROCARBONS, PESTICIDES, UROCHROMIC AGENTS, HUMIC ACID, PUMP WASTE.

EPAW01019
        CHEMISTRY OF WATER SUPPLY TREATMENT AND DISTRIBUTION                                          DATE: 74-00
        AUTHOR(S): RUBIN A J               ANN ARBOR              TYPE(S): PM          CATEGORIES: M L O P S
        SOURCE(S): ANN ARBOR               COST:    22.50 P       LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          TRACE METALS                     CHEMISTRY              COAGULATION                  ANALYTICAL TECHNIQUES
          DISINFECTION                     CHLORINATION           FILTRATION                   OZONE
          ACTIVATED CARBON                 ADSORPTION             COAGULATION
        REMARKS AND ABSTRACT:
        450 PP, 148 FIGURES, 53 TABLES, 418 REFERENCES.
        COVERS CURRENT RESEARCH ON CHEMICAL ASPECTS OF PRODUCING AND DELIVERING POTABLE WATER.
        COVERS:  WATER QUALITY, ANALYTICAL TECHNIQUES, TREATMENT CONSIDERATIONS, AQUEOUS CHEMISTRY OF TRACE ELEMENTS.
        ALSO DEALS WITH DISINFECTION OF BACTERIA AND VIRUSES WITH BROMINE AND OZONE AS WELL AS CHLORINE.
        CONSIDERS BRAKPOINT CHLORINATION, DECHLORINATION, PRECIPITATION, FILTRATION AND ADSORPTION.
        FOR CHEMISTS, CHEMICAL ENGINEERS, MICROBIOLOGISTS, CIVIL ENGINEERS, SANITARY ENGINEERS, BACTERIOLOGISTS, VIROLOGISTS.

EPAW01020
        APPLIED CHEMISTRY OF WASTEWATER TREATMENT  UNIT 1  FUNDAMENTALS  ELEMENTS OF BIOLOGICAL WASTEWATER    DATE: 73-00
        AUTHOR(S): MANCY K H               MCCLELLAND N           TYPE(S): PM          CATEGORIES: T
        SOURCE(S): ANN ARBOR               COST:    14.50 P       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          SELF PACED INSTRUCTION        CHEMISTRY                 BIOLOGY                      POLLUTANTS
          CERTIFICATION PROGRAMS
        REMARKS AND ABSTRACT:
        272 PP,  AUTH: POHLAND F,  COST - 8-UNIT SET $76.00
        SELF-TEACHING (PROGRAMMED LEARNING) SERIES FOR PREPARATION FOR MUNICIPAL/STATE CERTIFICATION AS TREATMENT PLANT
        OPERATOR.  FIRST BOOK ON FUNDAMENTALS OF WASTEWATER TREATMENT.
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EPAW01021
        APPLIED CHEMISTRY OF WASTEWATER TREATMENT  UNIT 2  FUNDAMENTALS  WATER AND ITS IMPURITIES                DATE: 73-00
        AUTHOR(S): MANCY K H               MCCLELLAND N               TYPE(S): PM           CATEGORIES: T M
        SOURCE(S): ANN ARBOR               COST:     14.50 P          LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          SELF PACED INSTRUCTION        CHEMISTRY                     CERTIFICATION PROGRAMS
        REMARKS AND ABSTRACT:
        352 PP,  AUTH: POHLAND F  COST: 8-UNIT SET  $67.00
        SECOND BOOK ON FUNDAMENTALS OF WASTEWATER TREATMENT.
        SSELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS A TREATMENT PLANT OPERATOR.
        BUILT ON INFORMATION PROVIDED IN UNIT 1.

EPAW01022
        APPLIED CHEMISTRY OF WASTEWATER TREATMENT  UNIT 3  FUNDAMENTALS  REACTIONS IN WATER SOLUTIONS            DATE: 73-00
        AUTHOR(S): MANCY K H               MCCLELLAND N               TYPE(S): PM           CATEGORIES: T M
        SOURCE(S): ANN ARBOR               COST:     14.50 P          LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          SELF PACED INSTRUCTION        CHEMISTRY                     CERTIFICATION PROGRAMS
        REMARKS AND ABSTRACT:
        252 PP,  AUTH: POHLAND F  COST: 8-UNIT SET $76.00
        THIRD BOOK IN SERIES ON FUNDAMENTALS OF WASTEWATER TREATMENT.
        SELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS A TREATMENT PLANT OPERATOR.
        BUILT ON INFORMATION PROVIDED IN UNITS 1 AND 2.

EPAW01023
        APPLIED CHEMISTRY OF WASTEWATER TREATMENT  UNIT 4  FUNDAMENTALS  PRINCIPLES OF ADVANCED WASTEWATER       DATE: 73-00
        AUTHOR(S): MANCY K H               MCCLELLAND N               TYPE(S): PM           CATEGORIES: T
        SOURCE(S): ANN ARBOR               COST:     14.50 P          LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          SELF PACED INSTRUCTION        CHEMISTRY                     CERTIFICATION PROGRAMS
        REMARKS AND ABSTRACT:
        158 PP,  AUTH: POHLAND F  COST: 8-UNIT SET  $76.00
        FOURTH BOOK IN SERIES ON FUNDAMENTALS OF WASTEWATER TREATMENT.
        SELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS A TREATMENT PLANT OPERATOR.
        BUILT ON INFORMATION PROVIDED IN UNITS 1-3.

EPAW01024
        APPLIED CHEMISTRY OF WASTEWATER TREATMENT  UNIT 5  APPLICATIONS  DISSOLVED OXYGEN                        DATE: 73-00
        AUTHOR(S): MANCY K H               MCCLELLAND N               TYPE(S): PM           CATEGORIES: M T
        SOURCE(S): ANN ARBOR               COST:     14.50 P          LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          SELF PACED INSTRUCTION        CHEMISTRY                     DISSOLVED OXYGEN            CERTIFICATION PROGRAMS
        REMARKS AND ABSTRACT:
        166 PP,  AUTH: POHLAND F  COST: 8-UNIT SET  $76.00
        FIRST BOOK IN SERIES TO DEAL WITH APPLICATIONS IN WASTEWATER TREATMENT.
        SELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS A TREATMENT PLANT OPERATOR.
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EPAW01025
APPLIED CHEMISTRY OF WASTEWATER TREATMENT UNIT 6 APPLICATIONS ORGANIC POLLUTANTS DATE: 73-00
AUTHOR(S): MANCY K H MCCLELLAND N TYPE(S): PM CATEGORIES: M T
SOURCE(S): ANN ARBOR COST: 14.50 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SELF PACED INSTRUCTION CHEMISTRY POLLUTANTS ORGANIC CONTAMINANTS
CERTIFICATION PROGRAMS
REMARKS AND ABSTRACT:
323 PP, AUTH: POHLAND F COST: 8-UNIT SET $76.00
SECOND BOOK IN SERIES TO DEAL WITH APPLICATIONS OF WASTEWATER TREATMENT.
SELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS TREATMENT PLANT OPERATOR.
DEALS WITH ORGANIC POLLUTANTS IN WATER AND WASTEWATER.

EPAW01026
APPLIED CHEMISTRY OF WASTEWATER TREATMENT UNIT 7 APPLICATIONS INORGANIC POLLUTANTS DATE: 73-00
AUTHOR(S): MANCY K H MCCLELLAND N TYPE(S): PM CATEGORIES: M T
SOURCE(S): ANN ARBOR COST: 14.50 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SELF PACED INSTRUCTION CHEMISTRY POLLUTANTS INORGANIC CONTAMINANTS
CERTIFICATION PROGRAMS
REMARKS AND ABSTRACT:
347 PP, AUTH: POHLAND F COST: 8-UNIT SET $76.00
TTHIRD BOOK IN SERIES TO DEAL WITH APPLICATIONS IN WASTEWATER TREATMENT.
SELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS TREATMENT PLANT OPERATOR.
DEALS WITH INORGANIC POLLUTANTS IN WATER.

EPAW01027
APPLIED CHEMISTRY OF WASTEWATER TREATMENT UNIT 8 APPLICATIONS PH AND ALKALINITY DATE: 73-00
AUTHOR(S): MANCY K H MCCLELLAND N TYPE(S): PM CATEGORIES: M T
SOURCE(S): ANN ARBOR COST: 14.50 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SELF PACED INSTRUCTION CHEMISTRY PH ALKALINITY
CERTIFICATION PROGRAMS
REMARKS AND ABSTRACT:
255 PP, AUTH: POHLAND F COST: 8-UNIT SET $76.00
FOURTH BOOK IN SERIES TO DEAL WITH APPLICATIONS IN WASTEWATER TREATMENT.
SELF-TEACHING MANUAL TO PREPARE INDIVIDUAL FOR MUNICIPAL/STATE CERTIFICATION AS TREATMENT PLANT OPERATOR.

EPAW01028
TRACE METALS AND METAL ORGANIC INTERACTIONS IN NATURAL WATERS DATE: 73-00
AUTHOR(S): SINGER P C ANN ARBOR TYPE(S): PM CATEGORIES: M O
SOURCE(S): ANN ARBOR COST: 22.50 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
TRACE METALS CHEMISTRY WATER SUPPLY TOXICITY TO FISH
AQUATIC PLANTS HEAVY METALS
REMARKS AND ABSTRACT:
364 PP, 82 FIGURES, 620 REFERENCES.
SIGNIFICANCE OF METALS OF DRINKING WATER, TOXICITY TO PLANTS AND MAN, AND NUTRIENT AVAILABILITY ARE DISCUSSED.
DISCUSSES METHODS OF TRACE ANALYSIS IN AQUATIC SYSTEMS, IDENTIFICATION OF ORGANIC MATERIALS IN AQUEOUS SOLUTIONS.
DEALS WITH TRACE ELEMENTS IN NATURAL WATERS AND FACTORS AFFECTING DISTRIBUTION OF TRACE ELEMENTS.
FURTHER CHAPTERS INCLUDE DISCUSSION ON: PATHWAYS OF MERCURY, METAL-ORGANIC COMPLEXES IN NATURAL WATERS;
ALSO, BIODEGRADATION OF NTA METAL CHELATES IN RIVER WATER, CHEMISTRY OF FULVIC ACID AND ITS REACTIONS WITH METAL IONS.

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EPAW01029
        ADVANCES IN ENVIRONMENTAL CHEMISTRY  VOL 1                                                    DATE: 76-99
        AUTHOR(S): MANAHAN S                                      TYPE(S): PM          CATEGORIES: M T
        SOURCE(S): ANN ARBOR             COST:    20.00 P         LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          CHEMICAL ANALYSIS            ENVIRONMENTAL EFFECTS
        REMARKS AND ABSTRACT:
        LATEST DEVELOPMENTS IN THE ANALYSIS OF ENVIRONMENTAL POLLUTANTS.

EPAW01030
        HOW TO MAKE THE OSHA WORK FOR YOU                                                             DATE: 70-00
        AUTHOR(S): SHOWALTER D R                                  TYPE(S): PM          CATEGORIES: P S L
        SOURCE(S): ANN ARBOR             COST:    10.00 P         LEVEL:   3           COPYRIGHT:
        SUBJECT AREAS:
          SAFETY                       O S H A                    LAWS AND REGULATIONS
        REMARKS AND ABSTRACT:
        144 PP, FACT SHEETS, STANDARDS INDEX.
        GUIDELINE WHICH DEALS WITH THE OSHA FROM THE STANDPOINT OF ITS FAR-REACHING EFFECTS ON EMPLOYER-EMPLOYEE RELATIONS.

EPAW01031
        WATER AND COMMUNITY DEVELOPMENT                                                               DATE: 74-00
        AUTHOR(S): FIELD D R             HARRON J C               TYPE(S): PM          CATEGORIES: D O T
        SOURCE(S): ANN ARBOR             COST:    12.50 P         LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          WATER TREATMENT              PLANNING                   WATER RESOURCES             PUBLIC PARTICIPATION
          REGIONALIZATION              ECONOMICS
        REMARKS AND ABSTRACT:
        AUTH: LONG B F,  312 PP, 5 FIGURES, 32 TABLES.
        EXPLORES CHANGING NATURE OF RESOURCE DEVELOPMENT TO SHOW SOCIAL/ECONOMIC CONSEQUENCES FOR COMMUNITY IN SOCIETY/
        INCLUDES THEORETICAL PERSPECTIVES; WATER RESOURCES AND REGIONAL DEVELOPMENT; RESOURCE DEVELOPMENT AND HUMAN RESPONSE.
        ALSO DISCUSSES COMMUNITY AND LEISURE; ENVIRONMENTAL DEMANDS ON WATER.
        USEFUL AS A TEST AND TO RURAL AND AGRICULTURAL ECONOMISTS, EXTENSION COMMUNITY DEVELOPMENT AGENTS, PUBLIC AGENCY
        PLANNERS. ALSO FOR PUBLIC AGENCY PLANNERS, MANAGERS, GEOGRAPHERS, UNIV TEACHERS AND THOSE INVOLVED IN WATER RES MGT.

EPAW01032
        OZONE IN WATER AND WASTEWATER TREATMENT                                                       DATE: 73-00
        AUTHOR(S): EVANS F L             ANN ARBOR                TYPE(S): PM          CATEGORIES: D O T
        SOURCE(S): ANN ARBOR             COST:    14.50 P         LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          OZONE                        DISINFECTION               WASTEWATER TREATMENT
        REMARKS AND ABSTRACT:
        195 PP, 52 FIGURES, 23 TABLES.
        DISCUSSES OZONE -- TECHNOLOGY, STATE OF THE ART; IN WATER DISINFECTION; GENERATION AND RELATION TO APPLICATION IN
        WASTEWATER TREATMENT.  DEALS WITH PRACTICAL ASPECTS OF WATER AND WASTE TREATMENT BY OZONE; OZONE AS A WATER AND WASTE-
        WATER DISINFECTANT.  OF INTEREST TO SANITARY ENGINEERS FOR PRINCIPLES AND PRACTICE OF MINICIPAL AND INDUSTRIAL WASTE
        TREATMENT.  OF VALUE TO CONSULTING ENGINEERS FOR ITS DESIGN CONCEPTS AND TO CHEMISTS FOR USES OF OZONE.
        USEFUL TO EQUIPMENT MANUFACTURERS FOR POSSIBLE NEW MARKETS AND IMPROVED TECHNOLOGY.
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EPAW01033                                                                                                         DATE: 73-00
          MATHEMATICS FOR WATER AND WASTEWATER TREATMENT PLANT OPERATORS  BOOK 1  FUNDAMENTAL
          AUTHOR(S): KIRKPATRICK J                                          TYPE(S): PM             CATEGORIES: M O
          SOURCE(S): ANN ARBOR               COST:                          LEVEL:   0              COPYRIGHT: C
          SUBJECT AREAS:
            MATHEMATICS                  CONVERSION TABLES              FLOW MEASUREMENT               GRIT REMOVAL
            PRIMARY TREATMENT            SECONDARY TREATMENT            STABILIZATION LAGOONS          TRICKLING FILTERS
            ACTIVATED SLUDGE             SLUDGE TREATMENT               CHLORINATION                   SLUDGE DIGESTION
            DILUTION                     PHYSICAL ANALYSIS
          REMARKS AND ABSTRACT:
          490PP
          ORGANIZED BY SPECIFIC TREATMENT PROCESS TO INTRODUCE OPERATORS TO BEGINNING MATHEMETICS ASSOCIATED WITH THAT
          PROCESS.  MODULAR SELF INSTRUCTIONAL APPROACH USED TO INTRODUCE OPERATOR TO 'PASSWORDS' OF MATHEMATICS.
          FOLLOWED BY BOOK 2 (ADVANCED).  NUMEROUS ILLUSTRATED EXAMPLES, PROBLEMS (AND THEIR SOLUTIONS).  INDEX.

EPAW01034                                                                                                         DATE: 73-00
          MATHEMATICS FOR WATER AND WASTEWATER TREATMENT PLANT OPERATORS  BOOK 2  ADVANCED
          AUTHOR(S): KIRKPATRICK J                                          TYPE(S): PM             CATEGORIES: M O
          SOURCE(S): ANN ARBOR               COST:                          LEVEL:   1              COPYRIGHT: C
          SUBJECT AREAS:
            MATHEMATICS                  CONVERSION TABLES              FLOW MEASUREMENT               GRIT REMOVAL
            PRIMARY TREATMENT            SECONDARY TREATMENT            STABILIZATION LAGOONS          TRICKLING FILTERS
            ACTIVATED SLUDGE             SLUDGE TREATMENT               CHLORINATION                   SLUDGE DIGESTION
            DILUTION                     PHYSICAL ANALYSIS
          REMARKS AND ABSTRACT:
          435PP
          ORGANIZED BY SPECIFIC TREATMENT PROCESS TO INTRODUCE OPERATOR TO ADVANCED MATHEMATICS ASSOCIATED WITH THAT
          PROCESS.  SEQUEL TO BOOK 1 (BEGINNING).  NUMEROUS ILLUSTRATED EXAMPLES, PROBLEMS (WITH THEIR SOLUTIONS).  INDEX.

EPAW01035                                                                                                         DATE: 76-99
          WATER QUALITY INSTRUMENTATION  VOLUME 1
          AUTHOR(S): SCALES J W                                             TYPE(S): PM             CATEGORIES: D E M O P
          SOURCE(S): ISA                     COST:     11.00 P              LEVEL:   3              COPYRIGHT:
          SUBJECT AREAS:
            INSTRUMENTATION (PLANT)      MONITORING                     WATER QUALITY
          REMARKS AND ABSTRACT:
          ORDER NO. H87
          SIXTEEN ISA SYMPOSIUM PAPERS ON WATER QUALITY MEASURMENT AND TELEMETRY;
          INSTRUMENTATION PROCESSES FOR, AND APPLICATIONS AND MONITORING OF WATER POLLUTION
          CONTROL
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EPAW01036
         WATER QUALITY INSTRUMENTATION  VOLUME 2                                                          DATE: 76-99
         AUTHOR(S): SCALES J W                                     TYPE(S): PM           CATEGORIES: D M O P S
         SOURCE(S): ISA                    COST:     13.00 P       LEVEL:   3            COPYRIGHT:
         SUBJECT AREAS:
           INSTRUMENTATION (LABORATORY)  MONITORING                DATA EVALUATION              CONDUCTIVITY
           TURBIDITY                     SAMPLING
         REMARKS AND ABSTRACT:
         ORDER NO. HB 15
         TWENTY RECENT ISA SYMPOSIA PAPERS ON TOPICS RANGING FROM INDIVIDUAL
         POLLUTANT MEASUREMENTS AND SAMPLE CONDITIONERS TO WATER QUALITY CONTROL
         AND DATA ACQUISITION SYSTEMS.

EPAW01037
         WATER SUPPLY AND POLLUTION CONTROL                                                               DATE: 76-99
         AUTHOR(S): CLARK                  VIESSMAN                TYPE(S): PM           CATEGORIES: T D
         SOURCE(S): INTEXT                 COST:     15.00 P       LEVEL:   3            COPYRIGHT: C
         SUBJECT AREAS:
           WATER SUPPLY                  ENVIRONMENTAL CONTROL
         REMARKS AND ABSTRACT:
         AUTHOR: HAMMER
         INTRODUCTORY TEXT FOR UNDERGRADUATE STUDENTS IN FIELD OF SANITARY ENGINEERING.

EPAW01038
         CLEAN WATER  ITS UP TO YOU                                                                       DATE: 76-99
         AUTHOR(S): IZAAK WALT                                     TYPE(S): PM           CATEGORIES: E
         SOURCE(S): IZAAK WALT             COST:      0.00 P       LEVEL:   1            COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY
         REMARKS AND ABSTRACT:
         WHAT MANKIND NEEDS TO DO TO MAINTAIN THE QUALTIY OF HIS ENVIRONMENT.

EPAW01039
         WATER POLLUTION MICROBIOLOGY                                                                     DATE: 72-00
         AUTHOR(S): MITCHELL R                                     TYPE(S): PM           CATEGORIES: T
         SOURCE(S): WILEY                  COST:     25.75 P       LEVEL:   3            COPYRIGHT: C
         SUBJECT AREAS:
           MICROBIOLOGY
         REMARKS AND ABSTRACT:
         416PP.
         AN UP-TO-DATE TEXT FOR ADVANCED COURSES IN WHICH MODERN MICROBIOLOGICAL CONCEPTS ARE APPLIED TO THE SOLUTION OF
         PROBLEMS IN WATER POLLUTION CONTROL.
```

EPAW01040 DATE: 72-00
PHYSIOCHEMICAL PROCESSES FOR WATER QUALITY CONTROL
TYPE(S): PM CATEGORIES: D T
AUTHOR(S): WEBER W J
SOURCE(S): WILEY COST: 23.25 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
PROCESS CONTROL PHYSICAL TREATMENT CHEMICAL TREATMENT COAGULATION
ION EXCHANGE DISINFECTION FILTRATION ADSORPTION
CORROSION SLUDGE TREATMENT
REMARKS AND ABSTRACT:
(ORDER NO O 471 92435-0), 640 PP.
COMPREHENSIVE TREATISE ON THE PRINCIPLES AND APPLICATIONS OF CHEMICAL AND PHYSICAL-CHEMICAL METHODS OF WATER AND WASTEWATER TREATMET. EMPHASIZES THE FUNDAMENTALS OF PROCESS DYNAMICS, REACTION DYNAMICS, AND REACTOR SYSTEMS.

EPAW01041 DATE: 72-00
ENVIRONMENTAL ENGINEERING AND SANITATION
TYPE(S): PM CATEGORIES: T D P
AUTHOR(S): SALVATO J A
SOURCE(S): WILEY COST: 27.50 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
ENVIRONMENTAL CONTROL PLANT CONSTRUCTION
REMARKS AND ABSTRACT:
(ORDER NO O 471 75077-8) 2ND ED, 919 PP, TABLES, PLATES AND FIGURES.
EMPHASIZES THE PRACTICAL APPLICATIONS OF SANITARY AND ENGINEERING PRINCIPLES TO ENVIRONMENTAL CONTROL IN URBAN, SUBURBAN, AND RURAL COMMUNITIES. STRESSES THE IMPORTANCE OF CONSIDERING THE EFFECTS THAT NEW CONSTRUCTION, DEMOGRAPHIC CHANGES, AND ALTERATIONS OF NATURAL RESOURCES HAVE ON EACH OTHER.

EPAW01042 DATE: 72-00
SALINITY AND WATER USE
AUTHOR(S): TALSMA T PHILIP J R TYPE(S): PM CATEGORIES:
SOURCE(S): WILEY HALSTED COST: 17.95 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
WATER CHARACTERISTICS
REMARKS AND ABSTRACT:
396 PP.
PAPERS PRESENTED AT THE SECOND NATIONAL SYMPOSIUM ON HYDROLOGY ORGANIZED BY THE AUSTRALIAN ACADEMY OF SCIENCE. THE PAPERS RANGE WIDELY FROM THE GEOCHEMISTRY, SOIL PHYSICS, HYDRAULICS AND BIOLOGY OF SALINITY TO LEGAL AND ADMINISTRATIVE ASPECTS.

EPAW01043 DATE: 58-00
SEWERAGE AND SEWAGE TREATMENT
AUTHOR(S): BABBITT H E BAUMAN E R TYPE(S): PM CATEGORIES: D P T
SOURCE(S): WILEY COST: 23.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
WASTEWATER TREATMENT COLLECTION SYSTEMS
REMARKS AND ABSTRACT:
790PP., 8TH ED.
AN INTRODUCTORY TEXT TO WASTEWATER COLLECTION AND TREATMENT FOR THE ENGINEERING STUDENT.

```
EPAWD1044
          SEEPAGE DRAINAGE AND FLOW NETS                                                                             DATE: 67-00
          AUTHOR(S): CEDERGREN H R                                     TYPE(S): PM            CATEGORIES: T
          SOURCE(S): WILEY                       COST:    25.75 P      LEVEL:   2             COPYRIGHT: C
          SUBJECT AREAS:
            GROUNDWATER
          REMARKS AND ABSTRACT:
          600PP.
          PRESENTS SEEPAGE AND DRAINAGE PRINCIPLES AS PRACTICAL TOOLS FOR SOLVING EVERYDAY PROBLEMS.  GIVES MANY ILLUSTRATED
          EXAMPLES SHOWING HOW ENGINEERING WORKS CAN BE PERMANENTLY PROTECTED FROM THE DAMAGING ACTIONS OF GROUND-WATER
          AND SEEPAGE.

EPAWD1045
          SEWAGE TREATMENT                                                                                           DATE: 56-00
          AUTHOR(S): IMHOFF K                    FAIR G M              TYPE(S): PM            CATEGORIES: T D
          SOURCE(S): WILEY                       COST:    10.50 P      LEVEL:   2             COPYRIGHT: C
          SUBJECT AREAS:
            WATER TREATMENT                  WATER DISTRIBUTION        WASTEWATER TREATMENT          SEWERS
          REMARKS AND ABSTRACT:
          338PP.; 2ND ED.
          PRESENTS THE REQUIREMENTS ANT PRACTICES OF MODERN SEWAGE TREATMENT.

EPAWD1046
          ELEMENTARY THEORETICAL FLUID MECHANICS  (OUT OF PRINT)                                                     DATE: 76-99
          AUTHOR(S): BRENKERT K                                        TYPE(S): PM            CATEGORIES:
          SOURCE(S): WILEY                       COST:    10.95 P      LEVEL:                 COPYRIGHT:
          SUBJECT AREAS:
            PHYSICS
          REMARKS AND ABSTRACT:
          (OUT OF PRINT)

EPAWD1047
          CLEAR WRITING                                                                                              DATE: 72-00
          AUTHOR(S): GILBERT M B                                       TYPE(S): PM            CATEGORIES: T
          SOURCE(S): WILEY                       COST:     4.95 P      LEVEL:   1             COPYRIGHT: C
          SUBJECT AREAS:
            TECHNICAL WRITING
          REMARKS AND ABSTRACT:
          194PP.; SELF-TEACHING GUIDE SERIES.
          CONTAINS A CHECKLIST OF BASIC TECHNIQUES FOR CLEAR WRITING AND FOUR COMPREHENSIVE CHARTS FOR QUICK REVIEW.
```

EPAW01048 DATE: 73-00
LETTERS THAT MEAN BUSINESS
AUTHOR(S): GILBERT M B TYPE(S): PM CATEGORIES: T
SOURCE(S): WILEY COST: 4.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION (WRITTEN)
REMARKS AND ABSTRACT:
256PP.: SELF-TEACHING GUIDE SERIES.
PROVIDES A STEP-BY-STEP PLAN FOR WRITING, EDITING, AND TYPING ANY BUSINESS COMMUNICATION. AN EXCELLENT REFERENCE FOR ANYONE IN BUSINESS OR IN SCHOOL.

EPAW01049 DATE: 72-00
MATH SHORTCUTS
AUTHOR(S): LOCKE F M TYPE(S): PM CATEGORIES: T
SOURCE(S): WILEY COST: 2.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
MATHEMATICS
REMARKS AND ABSTRACT:
SELF-TEACHING GUIDE SERIES SERIES, 166PP.
SHORTCUTS FOR SOLVING MATH PROBLEMS.

EPAW01050 DATE: 72-00
BUSINESS MATHEMATICS
AUTHOR(S): LOCKE F M TYPE(S): PM CATEGORIES: T
SOURCE(S): WILEY COST: 4.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
MATHEMATICS
REMARKS AND ABSTRACT:
SELF TEACHING GUIDE SERIES, 463PP.
AN INTRODUCTION TO BUSINESS MATH.

EPAW01051 DATE: 72-00
BUSINESS STATISTICS
AUTHOR(S): KOOSIS D J TYPE(S): PM CATEGORIES: T
SOURCE(S): WILEY COST: 3.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
STATISTICAL ANALYSIS
REMARKS AND ABSTRACT:
SELF-TEACHING GUIDE SERIES, 296PP.
INTRODUCES STUDENTS TO THE BASIC METHODS AND CONCEPTS OF STATISTICS AS IT IS USED TODAY IN BUSINESS AND INDUSTRY.
TEACHES HOW TO PERFORM USEFUL STATISTICAL TESTS AND PROCEDURES, AND HOW TO INTERPRET THE RESULTS.

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EPAW01052
        ACCOUNTING ESSENTIALS                                                                              DATE: 72-00
        AUTHOR(S): MARGOLIS N                HARMON N P            TYPE(S): PM          CATEGORIES: T
        SOURCE(S): WILEY                     COST:      3.95 P     LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          BUDGET AND ACCOUNTING
        REMARKS AND ABSTRACT:
        308PP.; SELF TEACHING GUIDE SERIES.
        INTRODUCES THE BASICS OF ACCOUNTING AND BOOKKEEPING.  HOW TO JOURNALIZE TRANSACTIONS, POST TO LEDGERS, SUMMARIZE
        IN PERIODIC FINANCIAL STATEMENTS, AND INTERPRET THE RESULTS.  SHOWS HOW TO APPLY THE PROCEDURES TO MERCHANDISE, PAYROLL,
        AND INVENTORY ACCOUNTING.
EPAW01053
        SPELLING FOR ADULTS                                                                                DATE: 73-00
        AUTHOR(S): RYAN C W                                        TYPE(S): PM          CATEGORIES: T
        SOURCE(S): WILEY                     COST:      3.95 P     LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          COMMUNICATION (WRITTEN)
        REMARKS AND ABSTRACT:
        220PP.; SELF TEACHING GUIDE SERIES.
        DEVELOPS ABILITY TO FOCUS ON PROBLEM AREAS WITHIN WORDS.  TEACHES THROUGH EXAMPLE AND PRACTICE, HOW TO APPLY SOME
        BASIC RULES TO SOLVE SPELLING DIFFICULTIES.
EPAW01054
        ADDING MACHINES AND CALCULATORS                                                                    DATE: 74-00
        AUTHOR(S): MERCHANT R                                      TYPE(S): PM          CATEGORIES: O
        SOURCE(S): WILEY                     COST:      2.95       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          EQUIPMENT (OFFICE)
        REMARKS AND ABSTRACT:
        182PP.; SELF TEACHING GUIDE SERIES.
        EXPLAINS HOW TO USE STANDARD AND WLWCTRONIC CALCULATING MACHINES MOST EFFECTIVELY IN BUSINESS, SCHOOL, OR ON THE JOB.
        TEACHES FUNDAMENTAL BUSINESS PROCEDURES APPLICABLE FOR ALL MACHINES.  REVIEWS BASIC BUSINESS MATHEMATICAL CONCEPTS,
        AND INCLUDES HELPFUL APPENDICES FOR ROUNDING, ESTIMATING, PERCENTAGE AND RECIPROCALS.
EPAW01055
        WRITING  A PRACTICAL GUIDE FOR BUSINESS AND INDUSTRY                                               DATE: 74-00
        AUTHOR(S): RYAN C W                                        TYPE(S): PM          CATEGORIES: T
        SOURCE(S): WILEY                     COST:      4.95 P     LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          TECHNICAL WRITING
        REMARKS AND ABSTRACT:
        SELF TEACHING GUIDE SERIES, 256PP.
        TEACHES EFFECTIVE TECHNIQUES THROUGH ACTUAL PRACTICE FOR ANYONE WHO WRITES ON TECHNICAL SUBJECTS.  COVERS ALL THE
        PROCEDURES OF TECHNICAL WRITING - FROM RESEARCH AND ORGANIZATION TO THE FINAL PRODUCTION OF A PUBLICATION, STYLE -
        FORMAT - AND THE APPROACH TO STANDARD TECHNICAL DOCUMENTS.
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EPAW01056 DATE: 74-00

PRACTICAL ALGEBRA TYPE(S): PM CATEGORIES: T
AUTHOR(S): SELBY P H LEVEL: 1 COPYRIGHT: C
SOURCE(S): WILEY COST: 4.95 P
SUBJECT AREAS:
MATHEMATICS
REMARKS AND ABSTRACT:
SELF TEACHING GUIDE SERIES, 326PP.
PROVIDES A THOROUGH WORKING KNOWLEDGE OF ALGEBRAIC METHODS. EMPHASIZES TECHNIQUES AND PROBLEM SOLVING. PROVIDES SAMPLE PROBLEMS AND EXAMPLES TO ASSURE LEARNING AT EACH STEP. INCLUDES REVIEW PROBLEMS AND SELF-TESTS. USEFUL AS A REFRESHER OR AS A CONDENSED INTRODUCTION TO ALGEBRA.

EPAW01057 DATE: 74-00

READING SKILLS TYPE(S): PM CATEGORIES: T
AUTHOR(S): ADAMS W R LEVEL: 1 COPYRIGHT: C
SOURCE(S): WILEY COST: 3.95 P
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
SELF TEACHING GUIDE SERIES, 245PP.
HELPS STUDENTS IMPROVE COMPREHENSION AND BUILD THE SCANNING AND SKIMMING TECHNIQUES THEY NEED IN ALL THEIR READING. CONTAINS EXERCISES IN READING PARAGRAPHS, TEXTBOOK SELECTIONS, AND FULL LENGTH ARTICLES. PROVIDES PRACTICE IN RECOGNIZING MAIN IDEAS, SUPPORTING DETAIL, WRITING PATTERNS, AND DRAWING REFERENCES.

EPAW01058 DATE: 74-00

SKILLS FOR EFFECTIVE COMMUNICATION A GUIDE TO BUILDING RELATIONSHIPS
TYPE(S): PM CATEGORIES: T
AUTHOR(S): BECVAR R J LEVEL: 1 COPYRIGHT: C
SOURCE(S): WILEY COST: 4.95 P
SUBJECT AREAS:
COMMUNICATION (ORAL) HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
218PP.; SELF TEACHING GUIDE SERIES.
HELPS STUDENTS LEARN EFFECTIVE METHODS FOR COMMUNICATING WITH OTHERS. DEVELOPS A GREATER UNDERSTANDING OF THE DYNAMICS OF HUMAN RELATIONS.

EPAW01059 DATE: 69-00

TITRATION TYPE(S): MP CATEGORIES: M
AUTHOR(S): SLABAUGH W H LEVEL: 2 COPYRIGHT: C
SOURCE(S): WILEY COST: 22.00 P
SUBJECT AREAS:
LABORATORY SKILLS
REMARKS AND ABSTRACT:
8MM, FILM LOOPS.
INTRODUCTION TO THE TECHNIQUES OF ACID BASIC TITRATION INVOLVING THE BURET WITH GLASS STOPCOCK, PIPET BULB, INDICATORS, SAMPLE CALCULATIONS.

EPAW01060
SARTORIUS BALANCE 2400
AUTHOR(S): SLABAUGH W H DATE: 69-00
SOURCE(S): WILEY COST: 22.00 P TYPE(S): MP CATEGORIES: M
SUBJECT AREAS: LEVEL: 2 COPYRIGHT: C
INSTRUMENTATION (LABORATORY)
REMARKS AND ABSTRACT:
8MM, FILM LOOPS.
INSTRUCTIONS FOR OPERATING THE AUTOMATIC ANALYTICAL BALANCE.

EPAW01061
COLORIMETRY PART I
AUTHOR(S): SLABAUGH W H DATE: 69-00
SOURCE(S): WILEY COST: 22.00 P TYPE(S): MP CATEGORIES: M
SUBJECT AREAS: LEVEL: 2 COPYRIGHT: C
INSTRUMENTATION (LABORATORY)
REMARKS AND ABSTRACT:
8MM, FILM LOOPS.
THEORY WITH BEER'S LAW AND SPECTRONIC 20 COLORIMETER.

EPAW01062
COLORINETRY PART II
AUTHOR(S): SLABAUGH W H DATE: 69-00
SOURCE(S): WILEY COST: 22.00 P TYPE(S): MP CATEGORIES: M
SUBJECT AREAS: LEVEL: 2 COPYRIGHT: C
INSTRUMENTATION (LABORATORY)
REMARKS AND ABSTRACT:
8MM, FILM LOOPS.
DIRECTIONS FOR COLORMETRY AND SPECTROPHOTOMETRY WITH SPECTRONIC 20. SUGGESTED EXERCISES.

EPAW01063
PH METER
AUTHOR(S): SLABAUGH W H DATE: 69-00
SOURCE(S): WILEY COST: 22.00 P TYPE(S): MP CATEGORIES: M
SUBJECT AREAS: LEVEL: 2 COPYRIGHT: C
PH LABORATORY SKILLS
REMARKS AND ABSTRACT:
8MM, FILM LOOPS.
TECHNIQUES OF OPERATIONS OF BOOKMAN 72-CALIBRATION AND MEASURING PH.

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EPAW01064
        ON WRITING EQUATIONS I                                                                   DATE: 69-00
        AUTHOR(S): SLABAUGH W H                          TYPE(S): MP          CATEGORIES: M T
        SOURCE(S): WILEY            COST:    22.00 P     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          CHEMISTRY
        REMARKS AND ABSTRACT:
        8MM, FILM LOOPS.
        RUDIMENTS OF WRITING EQUATIONS ARE ILLUSTRATED FOR TWO SIMPLE CHEMICAL REACTIONS.

EPAW01065
        ON WRITING EQUATIONS II                                                                  DATE: 69-00
        AUTHOR(S): SLABAUGH W H                          TYPE(S): MP          CATEGORIES: M T
        SOURCE(S): WILEY            COST:    22.00 P     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          CHEMISTRY
        REMARKS AND ABSTRACT:
        8MM, FILM LOOPS.
        RUDIMENTS OF WRITING REDOX EQUATIONS ARE SHOWN FOR TWO TYPICAL REDOX EQUATIONS.

EPAW01066
        MODERN DATA PROCESSING                                                                   DATE: 72-00
        AUTHOR(S): ARNOLD R R       HILL H C             TYPE(S): PM          CATEGORIES: T
        SOURCE(S): WILEY            COST:    14.00 P     LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          COMPUTERS
        REMARKS AND ABSTRACT:
        474PP.; AUTHOR: A. V. NICHOLS; 2ND ED.
        COVERS FULL RANGE OF MODERN DATA PROCESSING METHODS AND DEVICES--MANUALS, MECHANICAL, PUNCHED CARD, ELECTRONIC--
        AND THE BASIC OPERATIONS THEY PERFORM.  EMPHASIZES COMPUTERS AND PROGRAMMING LANGUAGE AND PROCEDURES.  DISCUSSES
        DATA PROCESSING APPLICATIONS IN BUSINESS, INDUSTRY AND GOVERNMENT.

EPAW01067
        ACCOUNTING MACHINE                                                                       DATE: 76-99
        AUTHOR(S): RATEGAN E H                           TYPE(S): MP          CATEGORIES: T O
        SOURCE(S): WILEY            COST:    50.00 R     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          EQUIPMENT (OFFICE)
        REMARKS AND ABSTRACT:
        16MM, 24 MIN., BLACK & WHITE; PURCHASE PRICE: $292.00.
        PRESENTS THE FUNCTIONAL COMPONENTS OF THE MACHINE BY DEMONSTRATING PREPARATION OF A DETAIL-PRINTED SALES ANALYSIS;
        DISCUSSES THE ADVANTAGE OF A SUMMARY REPORT; SHOWS HOW CARD VOLUME CAN BE REDUCED FOR CUMULATIVE REPORT BY THE
        SUMMARY PUNCHING CAPABILITY.
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EPAW01068
        CARD PUNCH                                                                                         DATE: 71-00
        AUTHOR(S): RATEGAN E H                                      TYPE(S): MP           CATEGORIES: O
        SOURCE(S): WILEY                  COST:    50.00 R          LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          COMPUTERS
        REMARKS AND ABSTRACT:
        16MM, 20 MIN., BLACK & WHITE; PURCHASE PRICE: $160.00.
        ILLUSTRATES THE BASIC PURPOSE OF THE CARD PUNCH BY SHOWING THE PUNCHING OF SEVERAL WITH AND WITHOUT PROGRAM CONTROL.
        DISCUSSES FUNCTIONAL COMPONENTS, AND CONTROL SWITCHES AND KEYS; REVIEWS THE HOLLERITH CODING SYSTEM.
EPAW01069
        PRACTICE OF DESALINATION                                                                           DATE: 73-00
        AUTHOR(S): BAKISH R                                         TYPE(S): PM           CATEGORIES: T
        SOURCE(S): NOYES                  COST:    18.00 P          LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          DESALINATION
        REMARKS AND ABSTRACT:
        (ISBN 0-8155-0478-0) 273PP.
        BASED ON 17 INSTRUCTIONAL PAPERS PRESENTED AS A SPECIAL TOPICS COURSE BY VARIOUS ACADEMIC AND INDUSTRIAL EXPERTS.
        THE COURSE WAS HELD DURING DECEMBER 1971 AND WAS SPONSORED JOINTLY BY FAIRLEIGH DICKINSON UNIVERSITY AND THE
        ASSOCIATION OF CARIBBEAN DESALINATION PLANTS OWNERS AND OPERATORS.  REFLECTS THE PRESENT STATE OF THE ART OF THE
        DESALINATION INDUSTRY.
EPAW01070
        ENVIRONMENTAL SCIENCE TECHNOLOGY INFORMATION RESOURCES                                             DATE: 73-00
        AUTHOR(S): TUWINER S B                                      TYPE(S): PM           CATEGORIES: T
        SOURCE(S): NOYES                  COST:    18.00 P          LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          ENVIRONMENTAL CONTROL         INFORMATION SYSTEMS
        REMARKS AND ABSTRACT:
        (ISBN 0-8155-1467-5), 218PP.
        INCLUDES THE PROCEEDINGS AND PANEL DISCUSSIONS OF THE SYMPOSIUM ON ENVIRONMENTAL SCIENCE TECHNOLOGY INFORMATION
        RESOURCES SPONSORED BY THE CHEMICAL INTERNATIONAL INFORMATION CENTER AND HELD AT THE CHEMISTS' CLUB, NEW YORK, ON APRIL
        28, 1972.  COMPRISES SELECTED PAPERS PRESENTED AT THE NATIONAL ENVIRONMENTAL INFORMATION SYMPOSIUM, SPONSORED BY THE
        EPA, HELD AT CINCINNATI, OHIO, SEPT. 24-27, 1972.  ALSO A BIBLIOGRAPHY OF BASIC GOVERNMENTAL, INSTITUTIONAL, AND
        ORGANIZATIONAL DOCUMENTS ASSEMBLED BY THE UNITED NATIONS CONFERENCE ON HUMAN ENVIRONMENT.
EPAW01071
        HOW TO DISPOSE OF TOXIC SUBSTANCES AND INDUSTRIAL WASTES                                           DATE: 76-00
        AUTHOR(S): POWERS P W                                       TYPE(S): PM           CATEGORIES: O
        SOURCE(S): NOYES                  COST:    48.00 P          LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          HAZARDOUS POLLUTANTS          ULTIMATE DISPOSAL           RESOURCE RECOVERY
        REMARKS AND ABSTRACT:
        (ISBN 0-8155-0615-5), 500PP.
        DISCUSSES ALL RECOGNIZED ULTIMATE DISPOSAL METHODS IN DETAIL AND CONTAINS A LONG LIST OF SPECIFIC RECOMMENDATIONS FOR
        SPECIFIC SUBSTANCES PLUS ALTERNATIVE DISPOSAL OR RECOVERY METHODS.  BASED ON GOVERNMENT-SPONSORED REPORTS, U.S. PATENTS,
        AND ON PERTINENT ARTICLES IN AUTHORITATIVE JOURNALS.
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EPAW01072 DATE: 76-99
BEHAVIORAL APPROACH TO MANAGEMENT
AUTHOR(S): LANSFORD TYP[illegible] AC CATEGORIES: S
SOURCE(S): LANSFORD COST: 59.95 P LEV[illegible] 2 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT BY OBJECTIVES HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. SE301C, 4 CASSETTES.
DISCUSSES POSITIVE MOTIVATIONAL TECHNIQUES FOR IMPROVING THE BEHAVIOR OF PEOPLE ON THE JOB. BASED ON MODERN BEHAVIORAL PSYCHOLOGY.

EPAW01073 DATE: 76-99
APPLICATION OF BEHAVIOR MODIFICATION TO BUSINESS
AUTHOR(S): LANSFORD TYPE(S): OT PM CATEGORIES: S T
SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT BY OBJECTIVES
REMARKS AND ABSTRACT:
ORDER NO. S370T, 20 TRANSPARENCIES.
DEALS WITH APPLICATION OF BEHAVIORAL PSYCHOLOGY TO MANAGING PEOPLE.

EPAW01074 DATE: 76-99
PRINCIPLES AND CONCEPTS OF MANAGEMENT AN INTRODUCTION
AUTHOR(S): LANSFORD TYPE(S): OT PM CATEGORIES: S T
SOURCE(S): LANSFORD COST: 119.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT BUDGET AND ACCOUNTING PLANNING
REMARKS AND ABSTRACT:
ORDER NO. M350T: 19 TRANSPARENCIES AND SUPPLEMENTARY MATERIAL
DEALS WITH SOME OF THE FUNDAMENTAL PRINCIPLES AND CONCEPTS OF MANAGEMENT. IT IS ORIENTED TOWARDS THE FORMAL ASPECTS OF MANAGEMENT CONTRASTED WITH INFORMAL OR BEHAVIORAL ASPECTS. MUCH OF THE MATERIAL COVERED CAN BE TRACED TO EARLY, FAMOUS MANAGEMENT SCHLARS AND PRACTITIONERS SUCH AS FAYOL, TAYLOR, GANTT AND OTHERS, AS WELL AS TO MORE RECENT WRITERS IN THE SO-CALLED MANAGEMENT PROCESS SCHOOL.

EPAW01075 DATE: 76-99
WATER HARDNESS UNIT
AUTHOR(S): LAMOTTE TYPE(S): OT CATEGORIES: E T
SOURCE(S): LAMOTTE COST: 27.95 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ION EXCHANGE CHEMICAL ANALYSIS HARDNESS
REMARKS AND ABSTRACT:
ORDER NO. 5556; INCLUDES HANDBOOK "A STUDY OF WATER QUALITY"; PACKAGED IN AN ATTACHE CARRYING CASE.
ALL THE NECESSARY GLASSWARE, REAGENTS, APPARATUS AND TRANSPARENCIES ARE FURNISHED AS PART OF THE OUTFIT. THE DEMONSTRATION INCLUDES TESTING FOR HARD WATER, SOFTENING BY ION EXCHANGE AND RETESTING TO SHOW THE REMOVAL OF THE HARDNESS FACTOR. A DEMONSTRATION IS INCLUDED TO SHOW THE SOAP CONSUMI POWER OF HARD WATER.

EPAW01076
WATER PH UNIT
AUTHOR(S): LAMOTTE DATE: 76-99
SOURCE(S): LAMOTTE COST: 227.95 P TYPE(S): OT CATEGORIES: E T
SUBJECT AREAS: LEVEL: 2 COPYRIGHT:
ACIDITY BIOLOGY CARBONATES CHEMICAL TREATMENT
CHEMICAL TREATMENT PH CHEMICAL ANALYSIS
REMARKS AND ABSTRACT:
ORDER NO. 5557; INCLUDES HANDBOOK "A STUDY OF WATER QUALITY"; PACKAGED IN AN ATTACHE CARRYING CASE. ALL THE NECESSARY GLASSWARE, REAGENTS, APPARATUS AND TRANSPARENCIES ARE FURNISHED AS PART OF THE OUTFIT. A PH INDICATOR SOLUTION IS ACIDIFIED. IT IS THEN NEUTRALIZED AND THE COLOR CHANGES OBSERVED AS THE NEUTRALIZATION PROCESS TAKES PLACE. WATER SAMPLES OF AN UNKNOW PH VALUE MAY BE TESTED.

EPAW01077
IRON IN WATER UNIT
AUTHOR(S): LAMOTTE DATE: 76-99
SOURCE(S): LAMOTTE COST: 27.95 P TYPE(S): OT CATEGORIES: E T
SUBJECT AREAS: LEVEL: 2 COPYRIGHT:
CHEMICAL ANALYSIS IRON
REMARKS AND ABSTRACT:
ORDER NO. 5558; INCLUDES "A STUDY OF WATER QUALITY"; PACKAGED IN AN ATTACHE CARRYING CASE. THIS UNIT IS DESIGNED FOR USE WITH AN OVERHEAD PROJECTOR. ALL THE NECESSARY GLASSWARE, REAGENTS, APPARTUS AND TRANSPARENCIES ARE FURNISHED AS PART OF THE OUTFIT. A WATER SAMPLE IS PREPARED AND TESTED FOR A HIGH IRON CONTENT. IT IS THEN TREATED TO REMOVE IRON BY THE PRINCIPLE OF OXIDATION AND RETESTED TO PROVE THE EFFECTIVENESS OF THE TREATMENT TECHNIQUE. UNKNOWN SAMPLES MAY BE TESTED FOR IRON CONTENT.

EPAW01078
CHLORINATION TASTE ODOR COLOR TURBIDITY UNIT
AUTHOR(S): LAMOTTE DATE: 76-99
SOURCE(S): LAMOTTE COST: 27.95 P TYPE(S): OT CATEGORIES: E T
SUBJECT AREAS: LEVEL: 2 COPYRIGHT:
ABSORPTION ACTIVATED CARBON CHEMICAL ANALYSIS CHLORINATION
COLOR TASTE AND ODOR TURBIDITY
REMARKS AND ABSTRACT:
ORDER NO. 5559; INCLUDES HANDBOOK, "A STUDY OF WATER QUALITY"; PACKAGED IN ATTACHE CASE THIS UNIT IS DESIGNED FOR USE WITH AN OVERHEAD PROJECTOR. ALL THE NECESSARY GLASSWARE, REAGENTS, APPARATUS AND TRANSPARENCIES ARE FURNISHED AS PART OF THE OUTFIT. A WATER SAMPLE IS CHLORINATED AND TESTED FOR CHLORINE. THE SAMPLE IS TREATED TO REMOVE THE TASTE AND ODOR OF CHLORINE AND RETESTED. AN EXPERIMENT IS INCLUDED TO SHOW THE REMOVAL OF COLOR AND TURBIDITY FROM A PREPARED WATER SAMPLE. UNKNOWN SAMPLES MAY BE TESTED.

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EPAW01079
         WATER POLLUTION DETECTION OUTFIT FOR ALKALINITY  AMMONIA  CALCIUM  CARBON DIOXIDE  CHLORIDES CHLORINE          DATE: 76-99
         AUTHOR(S): LAMOTTE                                             TYPE(S): OT                CATEGORIES: E T
         SOURCE(S): LAMOTTE                COST:    109.95 P            LEVEL:   2                 COPYRIGHT:
         SUBJECT AREAS:
           CHEMICAL ANALYSIS              CHLORIDE                      CHLORINE                        ALKALINITY
           CARBON DIOXIDE                 AMMONIA                       CALCIUM
         REMARKS AND ABSTRACT:
         ORDER NO. 5905; PACKAGED IN ATTACHE CARRYING CASE
         THIS OUTFIT INCLUDES ALL THE NEEDED GLASSWARE, REAGNETS AND APPARTUS TO TEST FOR ALKALINITY, AMMONIA, CALCIUM, CARBON
         DIOXIDE, CHLORIDES, CHLORINE, CHROMIUM, COPPER, CYANIDE, DISSOLVED SOLIDS, TOTAL HARDNESS, IRON, MAGNESIUM, NITRATES, PH
         PHOSPHATE, SALINITY AND SULFIDE.  SUITABLE FOR FIELD OR CLASSROOM
         INSTRUCTION.

EPAW01080
         PH  BUFFER  ACID BASE TITRATION OUTFIT                                                                     DATE: 76-99
         AUTHOR(S): LAMOTTE                                             TYPE(S): OT                CATEGORIES: E T
         SOURCE(S): LAMOTTE                COST:     64.95 P            LEVEL:   2                 COPYRIGHT:
         SUBJECT AREAS:
           ACIDITY                        ALKALINITY                    CHEMICAL REACTIONS              PH
         REMARKS AND ABSTRACT:
         ORDER NO. 5682, INCLUDE HANDBOOK "PH, BUFFERS AND ACID-BASE TITRATIONS".
         THIS OUTFIT IS DESIGNED FOR USE WITH AN OVERHEAD PROJECTOR.  ALL THE NECESSARY GLASSWARE, REAGNETS, APPARATUS AND TRANS-
         PARENCIES ARE FURNISHED AS PART OF THE OUTFIT.  THE REAGENT SYSTEMS INCLUDE A SERIES OF PH INDICATOR SOLUTIONS, BUFFERS
         AND STANDARDIZED ACIDS AND BASES.  THE INSTRUCTION MANUAL INCLUDES STEP-BY-STEP PROCEDURES AND HAS A GLOSSARY.

EPAW01081
         WATER YOU DRINK  HOW SAFE IS IT                                                                            DATE: 73-00
         AUTHOR(S): LWV                                                 TYPE(S): PM                CATEGORIES: E L
         SOURCE(S): LWV                    COST:      0.25 P            LEVEL:   1                 COPYRIGHT: C
         SUBJECT AREAS:
           LAWS AND REGULATIONS           PUBLIC HEALTH
         REMARKS AND ABSTRACT:
         4PP.  FUNDED BY EPA TECHNICAL TRAINING GRANT   PUB. NO. 246
         DEALS WITH NECESSITY FOR SAFER DRINKING WATER.  DESCRIBES DRINKING WATER STANDARDS--BIOLOGICAL, CHEMICAL, AND PHYSICAL
         REQUIREMENTS--IN EFFECT IN 1973.  EXPLAINS WATER SUPPLY SYSTEM FROM SOURCE TO TAP.  DISCUSSES ROLE OF DIFFERENT LEVELS
         OF GOVERNMENT IN STANDARD SETTING AND ENFORCEMENT.  EXPLAINS NECESSITY FOR ADEQUATE FUNDING AND TECHNICAL ASSISTANCE.

EPAW01082
         SAFE DRINKING WATER FOR ALL  WHAT YOU CAN DO                                                               DATE: 73-00
         AUTHOR(S): LWV                                                 TYPE(S): PM                CATEGORIES: E
         SOURCE(S): LWV                    COST:      0.25 P            LEVEL:   1                 COPYRIGHT: C
         SUBJECT AREAS:
           PUBLIC PARTICIPATION           WATER TREATMENT PLANTS        DISTRIBUTION SYSTEMS
         REMARKS AND ABSTRACT:
         PUB. NO. 247 4 PP.  FUNDED BY EPA TECHNICAL TRAINING GRANT
         EXPLAINS CITIZENS'S ROLE IN ASSURING A SAFE WATER SUPPLY SYSTEM:  BACKGROUND READING, ORGANIZING A GROUP, GETTING INFORM
         TION AT THE WATER TREATMENT PLANT.  SUGGESTS KEY QUESTIONS TO ASK ABOUT GOVERNMENT AUTHORITY, WATER SUPPLY SYSTEM, EN-
         FORCEMENT RESPONSIBILITIES.  RECOMMENDS A COURSE OF ACTION TO ENLIST PUBLIC SUPPORT AND WORK FOR IMPROVEMENTS IN QUALITY
         SUPPLY.
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EPAW01083                                                                                                   DATE: 70-02
        WHERE RIVERS MEET THE SEA
        AUTHOR(S): LWV                                              TYPE(S): PM             CATEGORIES: E L T
        SOURCE(S): LWV                      COST:     0.50 P        LEVEL:   1              COPYRIGHT: C
        SUBJECT AREAS:
          ESTUARIES                         ENVIRONMENTAL CONTROL        DREDGING AND FILLING        LAWS AND REGULATIONS
          RECREATION                        ADMINISTRATIVE AGENCIES      PUBLIC PARTICIPATION
        REMARKS AND ABSTRACT:
        PUB. NO. 367  8 PP.
        VALUES OF AND THREATS TO ESTUARINE AREAS--TIDAL STRETCHES OF COASTAL RIVERS AND THEIR TRANSITION ZONES.  DESCRIBES
        BIOLOGICAL, RECREATIONAL AND FLOOD PROTECTION BENEFITS; DANGERS ARISING FROM POLLUTION, DREDGING AND FILLING.  PROTECTIO
        REQUIRES CONTROL OF WATER QUALITY, PHYSICAL MODIFICATION AND USE OF ADJACENT LAND.  THESE CAN BE ATTAINED BY STATE LEG-
        ISLATION, EFFECTIVE ADMINISTRATION, AND NEW PUBLIC POLICY TOWARD ESTUARIES.  EXPLAINS CITIZEN'S ROLE IS ESTUARINE
        PROTECTION.

EPAW01084                                                                                                   DATE: 76-99
        WATER QUALTIY CONTROL GLOSSARY
        AUTHOR(S): MN ACI                                           TYPE(S): PM             CATEGORIES: T
        SOURCE(S): MN ACI                   COST:     1.00 P        LEVEL:   1              COPYRIGHT:
        SUBJECT AREAS:
          GLOSSARIES
        REMARKS AND ABSTRACT:
        DEFINITIONS OF WORDS USED IN THE WATER QUALITY FIELD.

EPAW01085                                                                                                   DATE: 74-11
        WATER POLLUTION  CAUSES AND CURES
        AUTHOR(S): MCA                                              TYPE(S): PM             CATEGORIES: E
        SOURCE(S): MCA                      COST:     0.00 P        LEVEL:   1              COPYRIGHT:
        SUBJECT AREAS:
          STORM WATER                       TERTIARY TREATMENT           ECONOMICS                   WATER QUALITY
          PRIMARY TREATMENT                 DOMESTIC WASTEWATERS         SECONDARY TREATMENT
        REMARKS AND ABSTRACT:
        16PP
        BY QUICKLY REVIEWING THE CAUSES OF WATER POLLUTION (ORGANIC, WASTES, PLANT NUTRIENTS, TOXIC SUBSTANCES,
        PERSISTENT SUBSTANCES, SEDIMENTS, RADIOACTIVE MATERIALS, HEAT), AND CURES SUCH AS COMBINED AND SEPARATE
        SEWERAGES RANGING FROM PRIMARY TO TERTIARY TREATMENT, THE BOOKLET ATTEMPTS TO EXPLAIN THE COMPLEXITY OF
        WATER POLLUTION PROBLEMS AND ENCOURAGE THEIR AMELIORATION AND PREVENTION.  A FINAL SECTION LOOKS AT THE
        COSTS INCURRED BY THE CHEMICAL INDUSTRY IN THEIR EFFORTS TO CLEAN UP POLLUTION.
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EPAW01086
         CHEMECOLOGY  (OUT OF PRINT)                                                                         DATE: 76-99
         AUTHOR(S): MCA                                                TYPE(S): PM          CATEGORIES: E L O P
         SOURCE(S): MCA                       COST:     0.00           LEVEL:   0           COPYRIGHT:
         SUBJECT AREAS:
           WATER QUALITY                ECOSYSTEMS                     EFFLUENTS                     EMERGENCY RESPONSE PROGRAMS
           ULTIMATE DISPOSAL            ENVIRONMENTAL EFFECTS          TROUBLESHOOTING               ADMINISTRATIVE AGENCIES
           LAWS AND REGULATIONS         PLANT PERFORMANCE              SLUDGE TREATMENT
         REMARKS AND ABSTRACT:
         8 X11, 2 COLOR, 8 PAGE MONTHLY NEWSLETTER
         CHEMECOLOGY PROVIDES INFORMATION TO HELP CHEMICAL COMPANIES EFFECTIVELY DEAL WITH PROBLEMS IN POLLUTION CONTROL.
         SILILARLY, THE PUBLICATION INFORMS MUNICIPALITIES OF DEVELOPMENTS WHICH CAN BE APPLIED TO LOCAL WASTE
         MANAGEMENT.  IT ALSO ADVISES SELECTED OPINION LEADERS (HIGH SCHOOL AND COLLEGE LEVEL EDUCATORS, STUDENTS,
         CONSERVATIONISTS, THE PRESS, REGULATORY OFFICIALS, MUNICIPAL HEALTH AND CIVIC LEADERS) OF THE CHEMICAL
         INDUSTRY'S EFFORTS TO ACHIEVE A CLEANER ENVIRONMENT.
EPAW01087
         ENVIROQUIZ                                                                                          DATE: 74-10
         AUTHOR(S): MCA                                                TYPE(S): PM          CATEGORIES: E
         SOURCE(S): MCA                       COST:     0.00 P         LEVEL:   1           COPYRIGHT:
         SUBJECT AREAS:
           ECOSYSTEMS                   EFFLUENTS                      INDEXES AND BIBLIOGRAPHIES
         REMARKS AND ABSTRACT:
         4PP.
         PREPARED BY MCA IN COOPERATION WITH THE GENERAL FEDERATION OF WOMEN'S CLUBS AS A GAUGE TO MEASURE
         ENVIRONMENTAL KNOWLEDGE AND AWARENESS.  IT SEEKS TO ELIMINATE SEVERAL COMMON ECOLOGICAL FALLACIES
         AND COUNTER THEM WITH FACTS BY TESTING THE READER WITH 20 TRUE-FALSE STATEMENTS.  ANSWERES ARE INCLUDED
         ALONG WITH A SUGGESTED READING LIST.  BIBLIOGRAPHY.
EPAW01088
         ECOACTION                                                                                           DATE: 74-09
         AUTHOR(S): MCA                                                TYPE(S): PM          CATEGORIES: D O P S T
         SOURCE(S): MCA                       COST:     0.00 P         LEVEL:   2           COPYRIGHT:
         SUBJECT AREAS:
           TERTIARY TREATMENT           ECONOMICS                      WATER QUALITY                 EFFLUENTS
           EQUIPMENT (PLANT)            INDUSTRIAL WASTES              ANAEROBIC DIGESTION           ECOSYSTEMS
           ULTIMATE DISPOSAL            WASTEWATER DISPOSAL            ACTIVATED SLUDGE              PH
           COLOR                        TRICKLING FILTERS
         REMARKS AND ABSTRACT:
         20PP.
         DRAMATIC CASE HISTORIES OF CLEANUP ACTIONS VOLUNTARILY UNDERTAKEN BY CHEMICAL COMPANIES.
         CONTAINS PHOTOS AND FLOWCHARTS AND DISCUSSES THE TECHNOLOGY IN SOME DETAIL.  AIR, WATER, ODOR, SOLID
         WASTE AND NOISE PROBLEMS ARE COVERED.
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EPAW01089                                                                                               DATE: 72-00
      ACTIVATED SLUDGE PROCESS  ANALYSES AND INTERPRETATION WORKSHOP MANUAL
      AUTHOR(S): ONTARIOMGS                                       TYPE(S): PM          CATEGORIES: M O S T
      SOURCE(S): ONTARIOMGS               COST:     0.00 P        LEVEL:   2           COPYRIGHT:
      SUBJECT AREAS:
        ACTIVATED SLUDGE          DISSOLVED OXYGEN                SAMPLING                  DATA EVALUATION
        PH                        SUSPENDED MATTER                BIOCHEMICAL OXYGEN DEMAND PHOSPHATES
        AQUATIC MICROBIOLOGY      ANALYTICAL TECHNIQUES           GASES                     GRAPHICAL METHODS
        MATHEMATICS               GLOSSARIES                      CONVERSION TABLES
      REMARKS AND ABSTRACT:
      4TH ED (1ST ED, 1972), 296 PP
      EXPECTED LEARNING GOALS CLEARLY IDENTIFIED FOR EACH INSTRUCTIONAL UNIT.  EMPHASIZES TECHNIQUES (TESTING,
      SAMPLING, ANALYSIS, DATA EVALUATION, MATHEMATICS) AND CONTAINS EXTENSIVE APPENDICES (DANGEROUS GASES
      IN SEWAGE, AVERAGE VALUES AT WATER POLLUTION PLANTS, STORAGE AND USE OF CHLORINE, SAFETY, OXYGEN UPTAKE
      TEST, ETC.).  OPERATOR OR TRAINEE SHOULD OBTAIN  COMPETENCY VIA WRITTEN, ORAL AND HANDS ON TESTING.
      GRAPHS, PHOTOS, TABLES, ILLUS.

EPAW01090                                                                                               DATE: 74-02
      BASIC WATER TREATMENT OPERATION
      AUTHOR(S): ONTARIOMGS                                       TYPE(S): PM          CATEGORIES: O
      SOURCE(S): ONTARIOMGS               COST:     2.00 P        LEVEL:   1           COPYRIGHT: C
      SUBJECT AREAS:
        PUBLIC HEALTH             GROUNDWATER                     PROCESS CONTROL           FILTRATION
        MAINTENANCE               CHLORINATION                    BACTERIA                  SAFETY
        MATHEMATICS               RECORD KEEPING                  DISTRIBUTION SYSTEMS      WATER TREATMENT PLANTS
      REMARKS AND ABSTRACT:
      EACH CHAPTER PROCEEDED BY A LIST OF BEHAVIORAL OBJECTIVES.
      A BASIC INTRODUCTION TO WATER WORKS OPERATIONS.

EPAW01091                                                                                               DATE: 74-00
      BASIC SEWAGE TREATMENT OPERATION
      AUTHOR(S): ONTARIOMGS                                       TYPE(S): PM          CATEGORIES: M O S T
      SOURCE(S): ONTARIOMGS               COST:     0.00 P        LEVEL:   1           COPYRIGHT:
      SUBJECT AREAS:
        GLOSSARIES                MICROBIOLOGY                    BACTERIAL ANALYSIS        PRIMARY TREATMENT
        ACTIVATED SLUDGE          SLUDGE DIGESTION                SLUDGE DEWATERING         FLOCCULATION
        SLUDGE DISPOSAL           SAFETY                          CHLORINATION              MATHEMATICS
      REMARKS AND ABSTRACT:
      3RD ED (1ST ED, 1972),  APPROX 200 PP.
      EXPECTED LEARNING GOALS CLEARLY IDENTIFIED FOR EACH INSTRUCTIONAL UNIT.  EACH UNIT, COLOR CODED FOR RAPID ACCESS, IS
      BROKEN INTO WELL-ORGANIZED, AMPLY ILLUSTRATED MODULES.  DESIGNED FOR 5-DAY LECTURE/DISCUSSION COURSE WHERE OPERATOR
      OR TRAINEE RESPONDS VIA ORAL, WRITTEN AND HANDS-ON TESTING TO ACHIEVE A MINIMUM 70% COMPETENCY LEVEL.  GRAPHS, PHOTOS,
      TABLES, ILLUS.
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EPAW01092
WATER AND OUR FUTURE DATE: 76-99
AUTHOR(S): NAC TYPE(S): PM CATEGORIES: M
SOURCE(S): NAC COST: 0.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ADMINISTRATIVE AGENCIES WATER QUALITY PUBLIC RELATIONS LAWS AND REGULATIONS
REMARKS AND ABSTRACT:
DISCUSSES NEED FOR DEVELOPING BROAD GOALS AND OBJECTIVES IN WATER QUALITY MANAGEMENT. ANALYSES FEDERAL, STATE, AND LOCAL ROLES IN IMPLEMENTING WATER QUALITY POLICIES. DESCRIBES THE IMPORTANCE OF PUBLIC INVOLVEMENT IN FORMULATING GOALS. EXPLAINS HOW TO OBTAIN PUBLIC SUPPORT AND FINANCIAL OR TECHNICAL ASSISTANCE FOR WASTEWATER PROJECTS. EXAMINES EIGHT ACTUAL CASES ILLUSTRATING DIFFERENT ASPECTS OF WATER QUALITY MANAGEMENT.

EPAW01093
POLLUTION PROBLEMS AND PROSPECTS DATE: 77-09
AUTHOR(S): NATL GEOG TYPE(S): AC FS CATEGORIES: E
SOURCE(S): NATL GEOG COST: 35.00 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
ENVIRONMENTAL EFFECTS
REMARKS AND ABSTRACT:
2 SOUND FILMSTRIPS; 14 MIN., COLOR; GRADES 5-12.
LAND, AIR AND WATER SERVING A GROWING POPULATION - POLLUTION CONTAMINATING THE WORLD IN WHICH PEOPLE LIVE. CAUSES AND EFFECTS OF POLLUTION, UNDERSTANDING NATURAL PROCESSES, WAYS TO MEET HUMAN NEEDS WHILE PROTECTING THE ENVIRONMENT.

EPAW01094
CHEMISTRY OF INDUSTRIAL WATER TREATMENT DATE: 76-99
AUTHOR(S): NALCO TYPE(S): PM CATEGORIES: T
SOURCE(S): NALCO COST: 2.00 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
WATER TREATMENT INDUSTRIAL WATER
REMARKS AND ABSTRACT:
THEORETICAL ASPECTS OF TREATING PROCESS WATER FOR INDUSTRY.

EPAW01096
VANISHING LANDSCAPE CRITICAL ESSAYS ON POLLUTION DATE: 76-99
AUTHOR(S): DOUGLAS STEWART TYPE(S): PM CATEGORIES: E
SOURCE(S): NATL TEXT COST: 2.88 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
URBAN IMPACT RURAL IMPACT
REMARKS AND ABSTRACT:
EFFECT OF MAN ON HIS ENVIRONMENT.

EPAW01097
ENDLESS SEA DATE: 73-00
AUTHOR(S): CAN NFB TYPE(S): MP CATEGORIES: P
SOURCE(S): LCA COST: 30.00 R LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
MARINE POLLUTION WATER RESOURCES
REMARKS AND ABSTRACT:
16MM, 28 MIN., COLOR; PURCHASE PRICE: $370.00.
THIS FILM EXPLORES THE SEA'S PRACTICAL IMPORTANCE FOR THE WORLD'S PEOPLES. PROJECTS OF A CANADIAN RESEARCH SHIP INVOLVING THE CHARTING OF THE SEA'S FLOOR AND THE TRAINING OF MEN TO LIVE UNDERWATER ARE EXAMINED. NEW FISHING TECHNIQUES AROUND THE WORLD ARE INVESTIGATED, AS ARE RECENT ATTEMPTS TO EXTRACT VAST MINERAL RESERVES FROM THE SEA'S WATERS. IT IS INDICATED THAT THE COOPERATION OF MANY SCIENCES IS NECESSARY TO EXPAND MAN'S EVER-INCREASING DEPENDENCE ON THE WATERS THAT SURROUND HIM. FOCUSES ON THE ECOLOGICAL PROBLEMS THAT WILL INCREASINGLY EXIST RELATIVE TO THIS DEPENDENCE.

EPAW01098
CHEMICAL TREATMENT OF SEWAGE AND INDUSTRIAL WASTES DATE: 65-00
AUTHOR(S): NLA TYPE(S): PM CATEGORIES: O
SOURCE(S): NLA COST: 2.00 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
CHEMICAL TREATMENT INDUSTRIAL WASTES
REMARKS AND ABSTRACT:
#215 NATIONAL LIME ASSOCIATION BULLETIN, BEING REVISED.

EPAW01099
HOW ABOUT THE WATER DATE: 76-99
AUTHOR(S): NWI TYPE(S): PM CATEGORIES: E
SOURCE(S): NWI COST: 0.00 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
WATER SUPPLY
REMARKS AND ABSTRACT:
MAN'S NEED FOR AN ADEQUATE SUPPLY OF POTABLE WATER.

EPAW01100
BACKGROUND ON WATER DATE: 76-99
AUTHOR(S): NWI TYPE(S): PM CATEGORIES: E
SOURCE(S): NWI COST: 0.00 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
WATER SUPPLY
REMARKS AND ABSTRACT:
THE STORY OF HOW COMMUNITIES OBTAIN THEIR WATER.

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EPAW01101
        BACKGROUND ON WATER POLLUTION                                                                                DATE: 76-99
        AUTHOR(S): NWI                                               TYPE(S): PM            CATEGORIES: E
        SOURCE(S): NWI                    COST:      0.00 P          LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          WATER QUALITY
        REMARKS AND ABSTRACT:
        THE STORY OF HOW COMMUNITIES HANDLE THEIR WATER POLLUTION PROBLEMS.

EPAW01102
        WATER IS A MANUFACTURED PRODUCT                                                                              DATE: 76-99
        AUTHOR(S): NWI                                               TYPE(S): PM            CATEGORIES: E
        SOURCE(S): NWI                    COST:      0.00 P          LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          WATER TREATMENT
        REMARKS AND ABSTRACT:
        WHAT GOES ON IN A WATER TREATMENT PLANT.

EPAW01103
        PRICE IT RIGHT                                                                                               DATE: 76-99
        AUTHOR(S): NWI                                               TYPE(S): PM            CATEGORIES: E
        SOURCE(S): NWI                    COST:      0.00 P          LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          WATER RATES
        REMARKS AND ABSTRACT:
        HOW DOES A COMMUNITY DECIDE ON HOW TO CHARGE FOR WATER?

EPAW01104
        WHO SHOULD PAY FOR WATER POLLUTION                                                                           DATE: 76-99
        AUTHOR(S): NWI                                               TYPE(S): PM            CATEGORIES: E
        SOURCE(S):                        COST:      0.00 P          LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          WATER QUALITY                ECONOMICS
        REMARKS AND ABSTRACT:
        HOW DOES A COMMUNITY DECIDE ON HOW TO CHARGE FOR WATER POLLUTION CONTROL PROJECTS?

EPAW01105
        HOW TO SAVE ON PUBLIC CONTRACTS                                                                              DATE: 76-99
        AUTHOR(S): NWI                                               TYPE(S): PM            CATEGORIES: D
        SOURCE(S): NWI                    COST:      0.00 P          LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          AGREEMENTS AND CONTRACTS
        REMARKS AND ABSTRACT:
        PROCEDURES THE COMMUNITY SHOULD KEEP IN MIND WHEN PLANNING FUNDING FOR WATER SUPPLY AND POLLUTION CONTROL ACTIVITIES.
```

EPAW01106
HOMETOWN CAREER
DATE: 76-99
AUTHOR(S): NWI
TYPE(S): PM
CATEGORIES: E
SOURCE(S): NWI
COST: 0.00 P
LEVEL: 1
COPYRIGHT:
SUBJECT AREAS:
PERSONNEL
REMARKS AND ABSTRACT:
SUGGESTIONS FOR ENCOURAGING YOUND PEOPLE TO ENTER THE WATER QUALITY CONTROL FIELD.

EPAW01107
CLEANSING OUR WATERS
DATE: 73-00
AUTHOR(S): HILL G
TYPE(S): PM
CATEGORIES: E
SOURCE(S): PAC
COST: 0.35 P
LEVEL: 1
COPYRIGHT: C
SUBJECT AREAS:
ENVIRONMENTAL EFFECTS
LAWS AND REGULATIONS
REMARKS AND ABSTRACT:
(NO. 497) 28PP. PAMPHLET.
A GENERAL REVIEW OF EFFECTS OF POLLUTANTS ON THE ENVIRONMENT AND RECENT LEGISLATION AIMED AT PROTECTING THE WATER ENVIRONMENT.

EPAW01108
WATER CONTROL
DATE: 58-00
AUTHOR(S): PCA
TYPE(S): MP
CATEGORIES: E
SOURCE(S): PCA
COST: 8.00 R
LEVEL: 2
COPYRIGHT:
SUBJECT AREAS:
HYDROLOGY
FLOODS
DAMS
WATERSHEDS
REMARKS AND ABSTRACT:
16MM, 22 MIN., COLOR
RELATES THE STORY OF WATER AND ITS CONTROL FROM SMALL, LOCAL WATERSHED AREAS TO THE GREAT RIVERS. IT EXPLAINS THE HYDROLOGIC CYCLE BY ANIMATION AND SHOWS TYPICAL EXAMPLES OF THE USE OF CONCRETE IN ALL TYPES OF WATER CONTROL PROJECTS. INCLUDED ARE BOTH SMALL AND LARGE STRUCTURES; CHECK DAMS, PAVED DITCHES AND CHANNELS, FLOOD WALLS, BANK REVETMENTS, AND FLOODWAY DIVERSION STRUCTURES.

EPAW01109
REQUIREMENTS OF SEWER CONSTRUCTION
DATE: 76-99
AUTHOR(S): PCA
TYPE(S): SL PM
CATEGORIES: D
SOURCE(S): PCA
COST: 38.00 P
LEVEL: 3
COPYRIGHT:
SUBJECT AREAS:
SEWERS DESIGN
REMARKS AND ABSTRACT:

EPAW01110

MICROBIOLOGY OF WATER AND SEWAGE (OUT OF PRINT) DATE: 76-99
AUTHOR(S): GAINEY LORD TYPE(S): PM CATEGORIES:
SOURCE(S): PRENT HALL COST: 0.00 LEVEL: COPYRIGHT:
SUBJECT AREAS:
BIOLOGY
REMARKS AND ABSTRACT:

EPAW01111

WATERWORKS MANUAL BASIC DATE: 72-00
AUTHOR(S): CVE TYPE(S): PM CATEGORIES: M O T
SOURCE(S): CVE COST: 5.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
DISTRIBUTION SYSTEMS OPERATIONS (WATER) HYDRAULICS PIPES
PUMPS VALVES MANUALS
REMARKS AND ABSTRACT:
227 PP.
A MANUAL FOR AN OPERATOR WITH SOME EXPERIENCE. MANUAL AIMED AT DISTRIBUTION SYSTEM PERSONNEL. VERY LITTLE ON WATER TREATMENT.

EPAW01112

WASTEWATER PLANT OPERATORS MANUAL DATE: 72-00
AUTHOR(S): CVE TYPE(S): PM CATEGORIES: M O T
SOURCE(S): CVE COST: 5.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
OPERATIONS MAINTENANCE SECONDARY TREATMENT PRIMARY TREATMENT
MANUALS SEWERS
REMARKS AND ABSTRACT:
257 PP
A TRAINING MANUAL FOR THE OPERATOR WITH SOME EXPERIENCE. DESCRIPTIVE MATERIAL AND PROBLEMS ARE INCLUDED.

EPAW01113

COMMUNITY DATE: 76-99
AUTHOR(S): BRITANNICA TYPE(S): MP CATEGORIES: T
SOURCE(S): BRITANNICA COST: 6.50 R LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
ECOSYSTEMS
REMARKS AND ABSTRACT:
(NO. 1944) 16MM, 11 MIN., COLOR; PURCHASE PRICE: $135.00; (NO. 1945) 16MM, BLACK & WHITE, 11 MIN.; PURCHASE PRICE: $70
INTRODUCES THE CONCEPT OF THE ECOLOGICAL COMMUNITY. SHOWS THE COMPLEX NETWORK OF INTERRELATIONSHIPS AMONG A GROUP OF PLANTS AND ANIMALS ADAPTED TO THE SAME GENERAL PHYSICAL CONDITIONS, AND DEMONSTRATES THAT EACH ORGANISM IN A COMMUNITY PLAYS A PARTICULAR ROLE. FOOD CHAINS AND FOOD WEBS OF TYPICAL BIOTIC COMMUNITIES ARE ILLUSTRATED.

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EPAW01114
        WHAT IS ECOLOGY                                                                                          DATE: 76-99
        AUTHOR(S): BRITANNICA                                           TYPE(S): MP             CATEGORIES: T
        SOURCE(S): BRITANNICA               COST:     6.50 P            LEVEL:   1              COPYRIGHT: C
        SUBJECT AREAS:
          ECOSYSTEMS
        REMARKS AND ABSTRACT:
        (NO. 1916) 16MM, 11 MIN., COLOR; PURCHASE PRICE: $135.00; (NO. 1917) BLACK & WHITE; PURCHASE PRICE: $70
        INTRODUCES THE STUDY OF ECOLOGY BY ILLUSTRATING THE WIDE VARIETY OF INTERRELATIONSHIPS BETWEEN PLANTS, ANIMALS,
        AND THEIR ENVIRONMENT.  SHOWS HOW BIOLOGISTS STUDY THESE INTERRELATIONSHIPS AND EXPLAINS THE IMPORTANCE OF SUCH
        STUDIES TO MANKIND.  THE MAJOR BIOMES OF THE WORLD ARE INTRODUCED.

EPAW01115
        PROBLEMS OF CONSERVATION  WATER                                                                          DATE: 76-99
        AUTHOR(S): BRITANNICA                                           TYPE(S): MP             CATEGORIES: T
        SOURCE(S): BRITANNICA               COST:     8.00 R            LEVEL:   1              COPYRIGHT: C
        SUBJECT AREAS:
          WATER RESOURCES                CONSERVATION                   WATER SUPPLY                  CALIFORNIA
        REMARKS AND ABSTRACT:
        (NO. 2794) 16MM, 16 MIN., COLOR; PURCHASE PRICE: $200.00; (NO. 2795) BLACK & WHITE; PURCHASE PRICE: $102.00
        FOCUSING ON SOME OF SOUTHERN CALIFORNIA'S PROBLEMS, THE FILM SHOWS INNOVATIVE WAYS TO INCREASE WATER SUPPLIES--
        PERCOLATION PONDS, DESALINATION OF SALT WATER, ARTIFICIAL WEATHER CONTROL.  ALSO POINTS OUT THAT POLLUTION CONTROL
        IS EQUALLY IMPORTANT IN CONSERVING AND PURIFYING PRESENT WATER SUPPLIES.

EPAW01116
        WATER POLLUTION                                                                                          DATE: 76-99
        AUTHOR(S): BRITANNICA                                           TYPE(S): MP             CATEGORIES: T
        SOURCE(S): BRITANNICA               COST:     8.00 R            LEVEL:   1              COPYRIGHT: C
        SUBJECT AREAS:
          WATER QUALITY
        REMARKS AND ABSTRACT:
        16MM, 15 MIN., COLOR.
        FOCUSING ON THE EFFECT MAN HAS HAD ON THE WATER ENVIRONMENT, THE FILM SHOW WHAT NEEDS TO BE DONE TO BEGIN THE
        CLEAN UP.

EPAW01117
        WORLD AROUND US                                                                                          DATE: 76-99
        AUTHOR(S): NBC NEWS                                             TYPE(S): MP             CATEGORIES: E
        SOURCE(S): MCGRAW 2                 COST:    18.00 R            LEVEL:   1              COPYRIGHT: C
        SUBJECT AREAS:
          ENVIRONMENTAL EFFECTS
        REMARKS AND ABSTRACT:
        (NO. 672406) 16MM, 25 MIN., COLOR.
        REVIEW OF MAN'S EFFECT ON THE ENVIRONMENT.
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EPAW01118
        PROBLEM WITH WATER IS PEOPLE                                                                        DATE: 76-99
        AUTHOR(S): NBC NEWS                                     TYPE(S): MP            CATEGORIES: E
        SOURCE(S): MCGRAW 2                COST:    16.00 R     LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          WATER QUALITY
        REMARKS AND ABSTRACT:
        (NO. 672046) 16MM, 30 MIN., COLOR.
        DISCUSSION ON MAN'S EFFECT ON THE ENVIRONMENT.

EPAW01119
        WATER  OLD PROBLEMS  NEW APPROACHES                                                                 DATE: 76-99
        AUTHOR(S): MCGRAW 2                                     TYPE(S): MP            CATEGORIES: E
        SOURCE(S): MCGRAW 2                COST:    18.00 R     LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          ENVIRONMENTAL EFFECTS         ENVIRONMENTAL CONTROL
        REMARKS AND ABSTRACT:
        (NO. 657260) 16MM, 30 MIN., COLOR.
        REVIEW OF MAN'S EFFECTS ON THE ENVIRONMENT AND HIS ATTEMPTS TO CONTROL POLLUTION.

EPAW01120
        WHAT ARE WE DOING TO OUR WORLD                                                                      DATE: 76-99
        AUTHOR(S): CBS                                          TYPE(S): MP            CATEGORIES: E
        SOURCE(S): MCGRAW 2                COST:    36.00 R     LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          ENVIRONMENTAL EFFECTS
        REMARKS AND ABSTRACT:
        (NO. 648014) 16MM, 54 MIN., COLOR.
        REVIEW OF WHAT MAN IS DOING TO HIS ENVIRONMENT.

EPAW01121
        TEAMWORK ON THE POTOMAC                                                                             DATE: 76-99
        AUTHOR(S): MD ICPRB                                     TYPE(S): MP            CATEGORIES: M E
        SOURCE(S): FINLEY                  COST:    22.50 P     LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          CONSERVATION                  RIVERS                  ENVIRONMENTAL CONTROL        WATER QUALITY
          POTOMAC                       ESTUARIES
        REMARKS AND ABSTRACT:
        16 MM, 28 MIN, COLOR:  STUART FINLEY, 6926 MANSFIELD RD, FALLS CHURCH, VA 22041
        TEAMWORK ON THE POTOMAC DESCRIBES THE STRUGGLES OF A FAMOUS AMERICAN RIVER, AGAINST GROWING
        MUNICIPAL AND INDUSTRIAL POLLUTION.  IT ALSO DEALS WITH ESTUARINE MANAGEMENT AND SECONDARY
        POLLUTION CONTROL, WATER RESOURCES AND WATER MANAGEMENT.
```

EPAW01123 DATE: 72-10
PERSONAL SAFETY
AUTHOR(S): KALMIA FITCH TYPE(S): MP CATEGORIES: M
SOURCE(S): KALMIA COST: 24.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
SAFETY CHEMISTRY
REMARKS AND ABSTRACT:
ORDER NO. 2100; 8MM, 2:39 MIN., COLOR
HOW TO ACT AND REACT IN THE LABORATORY. DEMONSTRATES EYE PROTECTION, TIEING BACK LONG HAIR, WEARING LOOSE INEXPENSIVE CLOTHING, WEARING LAB COAT OR APRON, AND WEARING PROTECTIVE SHOES. TECHNIQUES SHOWN FOR SMOTHERING CLOTHING FIRE WITH FIRE BLANKET AND LAB APRON.

EPAW01124 DATE: 58-00
SUPPLEMENTARY READINGS ON WATER UTILITY MANAGEMENT
AUTHOR(S): AWWA TYPE(S): PM CATEGORIES: P S
SOURCE(S): AWWA COST: 8.00 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT WATER METERS BUDGET AND ACCOUNTING FLOODS
DISASTERS WATER RATES INSURANCE SAFETY
REMARKS AND ABSTRACT:
RPT: AWWA S105, 188PP.
EMPHASIZES ECONOMICS OF WATERWORKS MANAGEMENT (INSURANCE, DAMAGE CLAIMS, BUDGET, RATE STRUCTURES, ETC.) AS WELL AS PUBLIC INTERACTION WITH THE MUNICIPALITY SERVED. DETAILS MANY MANAGEMENT ASPECTS ONLY BRIEFLY COVERED IN THE AWWA MANUAL M5. MANY CONTRIBUTING AUTHORS; SPECIFIC WATERWORKS DESCRIBED (E.G. PUERTO RICO, N.C., AKRON, ETC).

EPAW01125 DATE: 72-10
FIRE IN THE LABORATORY
AUTHOR(S): KALMIA FITCH TYPE(S): MP CATEGORIES: M
SOURCE(S): KALMIA COST: 24.95 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
SAFETY (FIRES)
REMARKS AND ABSTRACT:
ORDER NO. 2200; 8MM AND 15MM, 3:30 MIN., COLOR
THREE TYPES OF LABORATORY FIRES AND CORRECT PROCEDURES FOR EXTINGUISHING THEM ARE SHOWN. SMALL FIRES ARE SMOTHERED. MEDIUM FIRES ARE PUT OUT WITH CO2 AND DRY POWDER EXTINGUISHERS. METAL FIRE IS SMOTHERED WITH SAND.

EPAW01126

COMPUTER

AUTHOR(S): LANSFORD		TYPE(S): SL AC	CATEGORIES: S	DATE: 76-99
SOURCE(S): LANSFORD	COST: 99.95 P	LEVEL: 2	COPYRIGHT: C	

SUBJECT AREAS:
COMPUTERS

REMARKS AND ABSTRACT:

ORDER NO. WN201, 61 SLIDES, 1 CASSETTE, APPROX. RUNNING TIME 30 MIN.
INTRODUCES THE BASIC CONCEPTS OF COMPUTERS, PRESENTED IN AN ELEMENTARY WAY AND IS SUITABLE FOR A WIDE AUDIENCE, YOUNG AND OLD, THAT WISHES TO LEARN SOME COMPUTER FUNDAMENTALS.

EPAW01127

CHEMICAL HAZARDS

AUTHOR(S): KALMIA	FITCH	TYPE(S): MP	CATEGORIES: M	DATE: 72-10
SOURCE(S): KALMIA	COST: 24.95 P	LEVEL: 1	COPYRIGHT: C	

SUBJECT AREAS:
SAFETY (CHEMICAL) CHEMISTRY

REMARKS AND ABSTRACT:

ORDER NO. 2300; 8MM AND 16MM, 3:42 MIN., COLOR
ILLUSTRATES SEVERAL CHEMICAL HAZARDS AND APPROPRIATE PROCEDURES, ANTIDOTES, OR CORRECTIVE ACTIONS. HAZARDS INCLUDE CHEMICALS ON SKIN, DILUTION OF CONCENTRATED ACID, MERCURY SPILL, AND HANDLING SOLID ALKALI.

EPAW01128

YOU RE COMING ALONG FINE

AUTHOR(S): ROUNDTABLE		TYPE(S): MP	CATEGORIES: M	DATE: 76-99
SOURCE(S): ROUNDTABLE	COST: 50.00 P	LEVEL: 3	COPYRIGHT: C	

SUBJECT AREAS:
JOB ANALYSIS

REMARKS AND ABSTRACT:

16MM, 23 MIN., COLOR; MANAGER'S GUIDEBOOK "PERFORMANCE APPRAISAL: RESPONSIBILITY AND OPPORTUNITY" (EPAW01229).
SHOWS THE IMPORTANCE OF ESTABLISHING MUTUALLY SHARED OBJECTIVES AND GIVING HONEST FEEDBACK FOR PROGRESS TOWARD THEIR REALIZATION. SHOWS HOW TO MAKE APPRAISALS VITAL AND USEFUL TOOLS. A CASE STUDY REVEALS HOW MANAGERS CAN GET TRAPPED BETWEEN BOLSTERING AN EMPLOYEE'S EGO AND GIVING ACCURATE JUDGEMENTS TO SUPERIORS. IT PROVIDES MANY INSIGHTS INTO THE APPRAISAL PROCESS BY DRAMATIZING THIS DOUBLE BIND EVERY MANAGER FACES IN LEVELING WITH HIS PEOPLE ABOUT THEIR WEAKNESSES AND WITH HIGHER MANAGEMENT ABOUT EMPLOYEES' ACTUAL PERFORMANCE.

EPAW01169

ANATOMY OF A PRESENTATION PART I AND II

AUTHOR(S): ROUNDTABLE		TYPE(S): MP	CATEGORIES: M	DATE: 76-99
SOURCE(S): ROUNDTABLE	COST: 50.00 P	LEVEL: 3	COPYRIGHT: C	

SUBJECT AREAS:
VISUAL AIDS PUBLIC SPEAKING TECHNICAL WRITING

REMARKS AND ABSTRACT:

16MM, 35 MIN., COLOR
GUIDES MANAGERIAL AND TECHNICAL PERSONNEL IN THE EFFECTIVE PRESENTATION OF REPORTS, IDEAS, AND PROPOSALS. THE JUNIOR MAN GETS VALUABLE COACHING AND COUNSELING IN THE SELECTION OF THE PROPER VISUAL AIDS, COLLECTION OF DATA, ORGANIZATION AND DEVELOPMENT OF THE PRESENTATION, ANALYSIS OF THE NEEDS OF THE AUDIENCE, AND GUIDELINES TO MAKE A PRESENTATION EASIER AND MORE EFFECTIVE.

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EPAW01171
         BREAKING THE DELEGATION BARRIER                                                          DATE: 76-99
         AUTHOR(S): ROUNDTABLE                               TYPE(S): MP          CATEGORIES: M
         SOURCE(S): ROUNDTABLE           COST:     50.00 R   LEVEL:   2           COPYRIGHT: C
         SUBJECT AREAS:
           SUPERVISION
         REMARKS AND ABSTRACT:
         16MM, 30 MIN., COLOR
         SHOWS BY EXAMPLE THE CONCEPTS OF WORKING THROUGH PEOPLE AND THE IMPORTANCE OF DEVELOPING SUBORDINATES.  IT
         PRESENTS AN UNDERSTANDING OF DELEGATION AND ITS IMPORTANCE IN INCREASING EFFICIENCY AND PROMOTING PERSONAL
         GROWTH IN ALL LEVELS IN THE ORGANIZATION.

EPAW01172
         CASE OF INSUBORDINATION                                                                  DATE: 76-99
         AUTHOR(S): ROUNDTABLE                               TYPE(S): MP          CATEGORIES: M
         SOURCE(S): ROUNDTABLE           COST:     50.00 R   LEVEL:   1           COPYRIGHT: C
         SUBJECT AREAS:
           HUMAN REL AND PSYCHOL ASPECTS SUPERVISION
         REMARKS AND ABSTRACT:
         16MM, 20 MIN., COLOR
         IDEAL FOR STIMULATING PARTICIPATION AND TEACHING DISCIPLINARY AND GRIEVANCE PROCEDURES REGARDLESS OF UNION OR
         INDUSTRY STATUS.

EPAW01173
         COUNT TO TEN                                                                             DATE: 76-99
         AUTHOR(S): ROUNDTABLE                               TYPE(S): MP          CATEGORIES: M
         SOURCE(S): ROUNDTABLE           COST:     50.00 R   LEVEL:   2           COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT                COMMUNICATION                PUBLIC RELATIONS
         REMARKS AND ABSTRACT:
         16MM, 26 MIN., COLOR$ MANAGER#S GUIDBOOK "PUBLIC CONTACT:  CHORE OR CHALLENGE" RECOMMENDED.
         DEMONSTRATES TECHNIQUES THAT WILL MAKE WORK EASIER AND MORE PLEASANT IN ORDER TO MAINTAIN CUSTOMER GOOD WILL.
         IT DEMONSTRATES METHODS USED TO PREVENT SITUATIONS FROM DELELOPING INTO HURTFUL AREAS OF CONFLICT.

EPAW01174
         PUBLIC CONTACT  CHORE OR CHALLENGE                                                       DATE: 76-99
         AUTHOR(S): ROUNDTABLE                               TYPE(S): PM          CATEGORIES: M
         SOURCE(S): ROUNDTABLE           COST:      1.95 P   LEVEL:   2           COPYRIGHT: C
         SUBJECT AREAS:
           PUBLIC RELATIONS
         REMARKS AND ABSTRACT:
         12PP.: COMPANION FILMS:  "I JUST WORK HERE" (EPAW00417), AND "COUNT TO TEN" (EPA201173).
         POINTS TO MANY SKILLS THAT MUST BE DELVELOPED IN DEALING WITH THE PUBLIC - INTERPERSONAL SKILLS THAT PUBLIC
         CONTACT PEOPLE NEED IN LINKING CUSTOMERS TO SERVICE.  PRESENTS 10 PRINCIPLES OF EFFECTIVE PUBLIC CONTACT.  OFFERS
         12 SELF-APPRAISAL QUESTIONS AND 15 IN-DEPTH STUDIES OF ATTITUDES TOWARD WORK, THE PUBLIC AND ORGANIZATION.
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EPAW01176

BOB KNOWLTON STORY
DATE: 76-99
AUTHOR(S): ROUNDTABLE
TYPE(S): MP
CATEGORIES: M
SOURCE(S): ROUNDTABLE
COST: 50.00 R
LEVEL: 2
COPYRIGHT: C
SUBJECT AREAS:
MANAGEMENT
SUPERVISION
REMARKS AND ABSTRACT:
16MM, 28 MIN., COLOR
STIMULATES THINKING IN THE SENSITIVE AREAS OF MANAGING THE NONCONFORMIST AND DEVELOPING HARMONIOUS GROUP RELATIONS. RAISES INTERESTING QUESTIONS ABOUT MANAGING A SUBORDINATE WHEN HE IS THE AUTHORITY IN HIS FIELD. IT POINT UP THE IMPORTANCE OF MANAGERS AND SUBORDINATES KEEPING THE CHANNELS OF COMMUNICATION MUTUALLY OPEN.

EPAW01177

ENGINEERING OF AGREEMENT
DATE: 76-99
AUTHOR(S): ROUNDTABLE
TYPE(S): MP
CATEGORIES: M
SOURCE(S): ROUNDTABLE
COST: 50.00 R
LEVEL: 3
COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
PUBLIC RELATIONS
REMARKS AND ABSTRACT:
16MM, 21 MIN., COLOR; MANAGER'S GUIDBOOK "CREATING AGREEMENT" (EPAW01178) RECOMMENDED.
INSTRUCTS SALESMEN IN COMMUNICATION METHODS WHICH WILL BRING ABOUT AGREEMENT FROM CUSTOMERS. AIDS IN DEMONSTRATING HOW TO FOSTER UNDERSTANDING AND AGREEMENT BETWEEN PEOPLE, WIN COOPERATION, AND INSTILL ACCEPTANCE OF NEW IDEAS, PRODUCTS, OR SERVICES.

EPAW01178

CREATING AGREEMENT
DATE: 76-99
AUTHOR(S): ROUNDTABLE
TYPE(S): PM
CATEGORIES: M
SOURCE(S): ROUNDTABLE
COST: 1.95 P
LEVEL: 2
COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
19PP.; TEST QUESTIONS; COMPANION FILM: "THE ENGINEERING OF AGREEMENT" (EPAW01177)
PRESENTS THE PROCESS OF ENSURING ACCEPTANCE OF WORKABLE PLANS OR IDEAS. PROVIDES A SELF-EVALUATION OF HOW WELL TRAINEES KNOW HOW TO CREATE AGREEMENT BY USING OPEN QUESTIONS, REFLECTION AND DIRECTION QUESTIONS.

EPAW01179

COMMUNICATIONS OF PURPOSE
DATE: 76-99
AUTHOR(S): ROUNDTABLE
TYPE(S): MP
CATEGORIES: M
SOURCE(S): ROUNDTABLE
COST: 35.00 R
LEVEL: 3
COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
16MM, 40 MIN., BLACK & WHITE
SHOWS HOW TO ACCOMPLISH ORGANIZATIONAL GOALS THROUGH THE ESTABLISHMENT OF UNDERSTANDING. DEALS WITH THE IMPORTANCE OF OPPORTUNITY, RECOGNITION, BELONGING, AND SECURITY AS MORALE BUILDERS AND DISTINGUISHES BETWEEN WHAT PEOPLE WORK FOR AND WHAT THEY WORK AT.

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EPAW01181                                                                                                  DATE: 76-99
        FUNCTIONS OF MANAGEMENT
        AUTHOR(S): ROUNDTABLE                                             TYPE(S): MP            CATEGORIES: M
        SOURCE(S): ROUNDTABLE                   COST:    35.00 R          LEVEL:   3             COPYRIGHT: C
        SUBJECT AREAS:
          PLANNING                         MANAGEMENT
        REMARKS AND ABSTRACT:
        16MM, 40 MIN., BLACK & WHITE
        SHOWS MANAGERS AND SUPERVIOSRS HOW TO USE THE FUNCTIONS OF MANAGEMENT TO GET COOPERATION AND INCREASED PRODUCTION
        FROM SUBORDINATES.

EPAW01186                                                                                                  DATE: 76-99
        GETTING AHEAD  THE ROAD TO SELF DEVELOPMENT
        AUTHOR(S): ROUNDTABLE                                             TYPE(S): MP            CATEGORIES: M
        SOURCE(S): ROUNDTABLE                   COST:    50.00 R          LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          JOB ANALYSIS
        REMARKS AND ABSTRACT:
        16MM, 28 MIN, COLOR
        ENCOURAGES SELF-EVALUATION, GOAL-SETTING, CONTINUING EDUCATION, ON-THE-JOB LEARNING AND ACTIVITIES ESSENTIAL
        TO SELF-DEVELOPMENT AT ALL LEVELS.  CONSISTS OF INTERVIEWS WITH A NUMBER OF SUCCESSFUL PEOPLE WHO DESCRIBE THE
        TECHNIQUES, EDUCATION, AND PREPARATION THEY NEEDED FOR SUCCESS IN THEIR PRESENT POSITIONS.

EPAW01187                                                                                                  DATE: 76-99
        HOW GOOD IS A GOOD GUY
        AUTHOR(S): ROUNDTABLE                                             TYPE(S): MP            CATEGORIES: M
        SOURCE(S): ROUNDTABLE                   COST:    50.00 R          LEVEL:   2             COPYRIGHT: C
        SUBJECT AREAS:
          SUPERVISION                      COMMUNICATION
        REMARKS AND ABSTRACT:
        16MM, 21 MIN, COLOR
        TEACHES HOW TO BE MORE EFFECTIVE AND CONFIDENT AND DEVELOP DISCIPLINARY CONTROL.  POINTS OUT HOW BEING A "GOOD
        GUY" DETRACTS FROM A SUPERVISOR'S EFFECTIVENESS IN GIVING DIRECTION AND SUPERVISION.

EPAW01188                                                                                                  DATE: 76-99
        I D RATHER NOT SAY
        AUTHOR(S): ROUNDTABLE                                             TYPE(S): MP            CATEGORIES: M
        SOURCE(S): ROUNDTABLE                   COST:    50.00 R          LEVEL:   3             COPYRIGHT: C
        SUBJECT AREAS:
          PLANNING                         COMMUNICATION
        REMARKS AND ABSTRACT:
        16MM, 30 MIN., COLOR
        SHOWS HOW TO GET ALL THE INFORMATION ESSENTIAL TO MAKING PLANNING DECISIONS.  SHOWS HOW, BY COMMUNICATING HIS UNDER-
        STANDING AND TRUST, A MANAGER CAN STIMULATE OTHERS TO GIVE HIM THE INFORMATION HE NEEDS.  IT SHOWS THE USE OF KURT
        LEWIN'S "FORCE FIELD" APPROACH TO REMOVE THE FORCES THAT KEEP A PERSON FROM "OPENING UP".
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EPAW01189
         IMAGINATION AT WORK                                                                                    DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                    TYPE(S): MP           CATEGORIES: M
         SOURCE(S): ROUNDTABLE             COST:     50.00 R      LEVEL:    3           COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT
         REMARKS AND ABSTRACT:
         16MM, 21 MIN., COLOR
         DEVELOPS AN ATMOSPHERE WHICH ENCOURAGES PRACTICAL CREATIVE THINKING.  SHOWS THE TECHNIQUES AND SKILLS OF
         CREATIVE THINKING WITH SUGGESTIONS FOR THEIR APPLICATION.  DISCUSSES THE FOUR FACTORS NECESSARY FOR CREATIVE
         THINKING - SENSITIVITY, FLUENCY, FLEXIBILITY, AND ORIGINALITY.

EPAW01190
         IS IT ALWAYS RIGHT TO BE RIGHT                                                                         DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                    TYPE(S): MP           CATEGORIES: M
         SOURCE(S): ROUNDTABLE             COST:     25.00 R      LEVEL:    2           COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT                  COMMUNICATION
         REMARKS AND ABSTRACT:
         16MM, 8 MIN., COLOR:   AWARDED THE "OSCAR" -ACADEMY OF MOTION PICTURE ARTS & SCIENCES.
         THIS FILM CAN BE USED AT SESSIONS ON COMMUNITY INVOLVEMENT, PERCEPTION, CONFLICT, HUMAN RELATIONS, AND COMMUNICA-
         TION, TO DEMONSTRATE THE IMPORTANCE OF OPENNESS AND RECEPTIVITY.  WON AN OSCAR AT THE ACADEMY AWARDS, NARRATED BY
         MR. ORSON WELLS.  IT EXAMINES ESTRANGEMENT, CONFLICT OF OPINION AND WILL, THE FUTILITY OF NEVER RECOGNIZING WHEN
         WE MAY BE WRONG.

EPAW01191
         JUDGING PEOPLE                                                                                         DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                    TYPE(S): MP           CATEGORIES: M
         SOURCE(S): ROUNDTABLE             COST:     35.00 R      LEVEL:    2           COPYRIGHT: C
         SUBJECT AREAS:
           JOB ANALYSIS                MANAGEMENT
         REMARKS AND ABSTRACT:
         16MM, 23 MIN., BLACK & WHITE.
         TEACHES THE TECHNIQUES OF APPRAISING PERFORMANCE, ASSIGNING WORK, AND DELEGATING, TO APPLY IN MAKING PERSONNEL
         DECISIONS.  PRACTICAL TECHNIQUES ANY MANAGER CAN USE TO JUDGE ABILITY, PERSONALITY, INTELLIGENCE, CHARACTER, AND
         POTENTIAL ARE EXPLAINED.  INCLUDES:  ESTABLISHING AN ORDER OF PRIORITY, EVALUATING THE OPINIONS OF OTHERS, LISTEN-
         ING, QUESTIONING, WEIGHING INFORMATION, AND DISCOVERING PATTERNS OF PERFORMANCE.

EPAW01194
         LISTENING                                                                                              DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                    TYPE(S): MP           CATEGORIES: M
         SOURCE(S): ROUNDTABLE             COST:     50.00 R      LEVEL:    1           COPYRIGHT: C
         SUBJECT AREAS:
           COMMUNICATION (ORAL)
         REMARKS AND ABSTRACT:
         16MM, 14 MIN., COLOR
         DEMONSTRATES THE IMPORTANCE OF GOOD LISTENING HABITS TO OPEN UP THE HALF-WAY COMMUNICATION THAT BLOCKS
         MANAGERIAL INPUT.
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EPAW01195
MAKING OF A DECISION DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
DECISION MAKING
REMARKS AND ABSTRACT:
16MM, 32 MIN., COLOR
DEALS SPECIFICALLY WITH THE PROBLEM OF SELECTION FOR PROMOTION, IN AN AREA WHERE THE ABILITY TO ARRIVE AT A DECISION WILL BE A GOVERNING FACTOR.

EPAW01196
MANAGEMENT MOTIVATION AND THE NEW MINORITY WORKER DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS COMMUNICATION INSTRUCTION
REMARKS AND ABSTRACT:
16MM, 30 MIN., COLOR
PROVIDES A DISCUSSION VEHICLE FOR THOSE WHO TEACH SUPERVISORS IN THIS OFTEN DIFFICULT AREA OF EMPLOYEE RELATIONS. ROLE-PLAYING AND REVERSE ROLE-PLAYING, WITH COMMENTARY BY A MULTI-RACIAL PANEL OF EXPERTS, DRAMATIZE THE SENSITIVE AREAS OF CULTURE GAP AND MOTIVATION - AND SUGGEST HELPFUL TRAINING TECHNIQUES AND ATTITUDES.

EPAW01197
MANAGER WANTED DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION JOB ANALYSIS
REMARKS AND ABSTRACT:
16MM, 28 MIN., COLOR
SHOWS THE ESSENTIAL REQUIREMENTS FOR EFFECTIVE MANAGERIAL TRAINING AND THE IMPORTANCE OF DELEGATION. BRINGS INTO SHARP FOCUS QUESTIONS WHICH AFFECT THE CARRER OF EVERY MANAGER. WHY DO MEN OF REAL ABILITY OFTEN FAIL TO MAKE THE GRADE AS MANAGERS? HOW DOES A MAN COME TO "FEEL" LIKE A MANAGER OR EVEN WANT TO BECOME ONE? HOW MUCH RESPONSIBILITY DOES A MAN HAVE FOR THE DEVELOPMENT OF HIS REPLACEMENT?

EPAW01200
MEASURE OF UNDERSTANDING DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
16MM, 29 MIN., COLOR
FOCUSES ON THE PROBLEMS INVOLVED IN COMMUNICATING MEANING, ATTITUDES, AND INTENTIONS. EMPHASIZES HOW MEANING IS COMMUNICATED ON AN INFORMATIONAL AND BEHAVIORAL LEVEL, AND THAT COMMUNICATION IS CLEAR ONLY WHEN BOTH INFORMATION AND BEHAVIOR SAY THE SAME THING. SHOWS THE NECESSITY OF PREVENTING ASSUMPTIONS AND SUMMARIZING COMMUNICATION AND INFORMATION LOGICALLY.

EPAW01201
MEETING IN PROGRESS DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 60.00 R LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION PUBLIC SPEAKING DECISION MAKING
REMARKS AND ABSTRACT:
16MM, 43 MIN., COLOR; MANAGER'S GUIDEBOOK "CONDERENCE LEADERSHIP: THE CRITICAL FUNCTIONS" RECOMMENDED (EPAW01202). PROVIDES A MEANS OF TEACHING CONFERENCE LEADERSHIP THROUGH GROUP PARTICIPATIONS. THE TASK FUNCTIONS OF INITIATING, OPINION SEEKING AND GIVING, CLARIFYING AND SUMMARIZING AND THE GROUP RELATIONS FUNCTIONS OF ENCOURAGING, MODIFYING AND EVALUATING ARE DEMONSTRATED. DISCUSSES 12 CRITICAL POINTS THAT MAY COME UP IN ANY MEETING, SUCH AS CONFLICT, LACK OF PARTICIPATION, GETTING OFF THE SUBJECT, ETC.

EPAW01202
CONFERENCE LEADERSHIP THE CRITICAL FUNCTIONS DATE: 76-99
AUTHOR(S): FOWLER O D MACURDA M TYPE(S): PM CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 1.95 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION INSTRUCTION DECISION MAKING MEETINGS AND CONFERENCES
REMARKS AND ABSTRACT:
30PP.; FOR USE SOLELY IN CONJUNCTION WITH THE FILM "MEETING IN PROGRESS" (EPAW01201) DESIGNED SO THAT VIEWERS OF THE FILM CAN RECORD AND RE-EVALUATE THEIR CHOICE OF THE BEST ALTERNATIVE COURSE OF ACTION AT EACH CRITICAL POINT IN THE FILM. AFTER THE FILM IS OVER, THE MANUAL REMAINS A LEARNING TOOL AS IT DISCUSSES EACH INDIVIDUAL ALTERNATIVE - RIGHT AS WELL AS WRONG CHOICES. INCLUDED ARE EXPLANATIONS OF TASK AND GROUP RELATIONS FUNCTIONS AND EXERCISES WHICH WILL REINFORCE COMPREHENSION OF THESE PRINCIPLES AS THEY APPEAR IN THE FILM.

EPAW01203
NATIONAL MANAGERIAL TEST DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 80.00 R LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION
REMARKS AND ABSTRACT:
16MM, 60 MIN., COLOR
PRESENTS 12 CHALLENGING MULTIPLE CHOICE QUESTIONS, 10 INVOLVING DRAMATIC EPISODES, 2 OPEN-END CASES AND 4 QUEST CONSULTANTS TO EXPLORE MANY IMPORTANT MANAGEMENT PROBLEMS. A PROGRAMMED FILM TEST.

EPAW01204
OVERCOMING RESISTANCE TO CHANGE DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION COMMUNICATION
REMARKS AND ABSTRACT:
16MM, 30 MIN., COLOR
TEACHES HOW TO PREVENT AS WELL AS OVERCOME RESISTANCE; HOW TO GAIN EMPLOYEE ACCEPTANCE AND COOPERATION DURING CRITICAL TRANSITIONAL PERIODS. IT DEMONSTRATES HOW RESISTANCE SHOULD BE HANDLED BY CLEARING UP MISPERCEPTIONS, OPENING COMMUNICATION CHANNELS, DEVELOPING PARTICIPATION, AND PERMITTING THE VENTILATION OF FEELINGS.

EPAW01205
PATTERN FOR INSTRUCTION DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
INSTRUCTION
REMARKS AND ABSTRACT:
16MM, 21 MIN., COLOR; MANAGER'S GUIDEBOOK "JOB INSTRUCTION: THE COMMUNICATION OF ABILITY" RECOMMENDED. RELATES THE BASIC STEPS IN JOB INSTRUCTION TRAINING TO THE PRINCIPLES OF LEARNING. ENCOURAGES A MORE POSITIVE ATTITUDE TOWARD THE SUPERVISOR'S TRAINING JOB.

EPAW01207
JOB INSTRUCTION THE COMMUNICATION OF ABILITY DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): PM CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 1.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
INSTRUCTION COMMUNICATION
REMARKS AND ABSTRACT:
23PP.; COMPANION FILM: "PATTERN FOR INSTRUCTION" (EPAW01205)
PRESENTS THE FUNDAMENTALS OF JOB INSTRUCTION AND TRAINING FROM THE POINT OF VIEW OF BOTH THE LEARNER AND THE INSTRUCTOR. THE FOUR STEP METHOD DESCRIBED WILL GUIDE SUPERVISORS IN TEACHING BOTH NEW AND EXPERIENCED EMPLOYEES IN ANY JOB SITUATION. TEXT DETAILS HOW TO PREPARE TO INSTRUCT, HOW TO PRESENT THE JOB, HOW TO DEVELOP SKILLS BY LETTING PEOPLE ATTEMPT NEW TASKS AND THE PROPER WAY TO FOLLOW-UP, PROVIDE ENCOURAGEMENT AND ANSWER QUESTIONS.

EPAW01208
PERSON TO PERSON COMMUNICATION DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION (ORAL)
REMARKS AND ABSTRACT:
16MM, 14 MIN., COLOR
ILLUSTRATES THE IMPORTANCE OF OVERCOMING BARRIERS TO COMMUNICATION AND MAKE US AWARE OF THE UNSPOKEN FACTORS WHICH AFFECT COMMUNICATION: ASSUMPTIONS, VIEWPOINTS, AND FEELINGS. STRESSES THE IMPORTANCE OF LISTENING TO DETERMINE THE UNSPOKEN FACTORS OF ASSUMPTIONS, VIEWPOINTS, AND FEELINGS.

EPAW01216
THATS NOT MY JOB DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION
REMARKS AND ABSTRACT:
16MM, 26 MIN., COLOR
WHEN EMPLOYEES FAIL TO COOPERATE, PRODUCTIVITY AND MORALE SUFFER. THIS FILM ATTACKS THE PROBLEM ON TWO LEVELS. IT ENCOURAGES EMPLOYEES TO RECOGNIZE THE RELATIONSHIP OF THEIR WORK TO THAT OF OTHERS, HELPING TO BUILD MORALE AND TEAMWORK. IT HELPS SUPERVISORS TO DEVELOP THEIR ABILITY TO DEAL WITH UNCOOPERATIVE WORKERS.

EPAW01220
VALUE FOR MONEY DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COSTS
REMARKS AND ABSTRACT:
16MM, 30 MIN., COLOR
HELPS DEVELOP ANALYTICAL SKILLS IN REDUCING AND CONTROLLING COSTS. SHOWS CONTROL OF TYPICAL EXAMPLES OF MONEY WASTING SITUATIONS IN TIME, MANPOWER, MATERIALS, AND MACHINES.

EPAW01222
GETTING YOUR SIGNALS STRAIGHT DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): PM CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 1.95 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
15PP.; COMPANION FILM: "THE WAY I SEE IT" (EPAW01221).
HELPS CLEAR UP FALSE ASSUMPTIONS AND PREVENT MISUNDERSTANDINGS IN DAY-TO-DAY COMMUNICATIONS. SHOWS THAT BY EXAMINING WHAT IS SAID AS WELL AS WHAT IS INDICATED SILENTLY BY GESTURE AND FACIAL EXPRESSION, THE MANAGER CAN GET MORE ACCURATE INPUT FROM OTHERS AS TO HOW HE REALLY COMES ACROSS. HE CAN LEARN TO AVOID MISINTERPRETING THE ACTIONS AND INTENTIONS OF OTHERS.

EPAW01225
WILL TO WORK DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION MANAGEMENT
REMARKS AND ABSTRACT:
16MM, 30 MIN., COLOR.
DEMONSTRATES THE QUALITIES NEEDED TO ACHIEVE MOTIVATION OF THE INDIVIDUAL AND THE WORKING GROUP. SUPERVISOR'S RESPONSIBILITIES FOR MORALE INCLUDE: CONCERN FOR THE INDIVIDUAL, CONCERN FOR THE GROUP, FAIR DISCIPLINE, SELF CONTROL, IMPARTIALITY, APPROACHABILITY, LOYALTY AND SETTING A GOOD EXAMPLE.

EPAW01226
WRITING LETTERS THAT GET RESULTS DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION (WRITTEN) SECRETARIAL SKILLS
REMARKS AND ABSTRACT:
16MM, 28 MIN., COLOR; MANAGER'S GUIDEBOOK "THE MODERN BUSINESS LETTER" RECOMMENDED (EPAW01193).
DISCUSSES AND ILLUSTRATES THE PRINCIPLES AND TECHNIQUES OF WRITING EFFECTIVE BUSINESS LETTERS. POINTS OUT THAT THE OBJECTIVES OF LETTER WRITING ARE TO CREATE INTEREST, TO PRESENT FACTS AND FIGURES, AND TO STIMULATE ACTION BY MAKING CLEAR THE PURPOSE OF THE LETTER.

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EPAW01229
         PERFORMANCE APPRAISAL  RESPONSIBILITY AND OPPORTUNITY                                                     DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                             TYPE(S): PM           CATEGORIES: M
         SOURCE(S): ROUNDTABLE                 COST:     1.95 P            LEVEL:   3            COPYRIGHT: C
         SUBJECT AREAS:
           JOB ANALYSIS
         REMARKS AND ABSTRACT:
         27PP.; COMPANION FILM: "YOU'RE COMING ALONG FINE" (EPAW01228).
         SIX DETAILED STEPS TO EFFECTIVE PERFORMANCE APPRAISAL ASSISTS IN PROVIDING FEEDBACK FOR SUBORDINATES AND IN
         EVALUATING AND REACHING POTENTIALS.  PROVIDES A NEEDED IMPETUS FOR IMPROVING SKILLS IN THE MANAGEMENT AREA.

EPAW01260
         ADVANCED WASTEWATER TREATMENT SEMINAR MANUAL                                                              DATE: 75-00
         AUTHOR(S): CULP G L                   WESNER G M                  TYPE(S): PM           CATEGORIES: D O T
         SOURCE(S): CULP                       COST:    29.50 P            LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           COAGULATION                     FILTRATION                      ACTIVATED CARBON            AMMONIA
           NUTRIENT REMOVAL                CHLORINATION                    SLUDGE TREATMENT            TERTIARY TREATMENT
           SECONDARY TREATMENT             LAND DISPOSAL                   COSTS                       PLANT DESIGN
           WASTEWATER TREATMENT            BIOLOGICAL TREATMENT            ANAEROBIC DIGESTION         OPERATIONS (WASTEWATER)
         REMARKS AND ABSTRACT:
         300PP., AUTHOR: R. L. CULP.
         PROVIDES A REVIEW OF THE CURRENT STATUS OF THE WASTEWATER TREATMENT FIELD WITH EMPHASIS ON NEW, PRACTICAL DEVELOPMENTS
         OF VALUE TO A PRACTICING ENGINEER.  RESEARCH AND PLANT-SCALE RESULTS ARE PRESENTED FOR MANY PROCESSES, BOTH SECONDARY
         AND TERTIARY.

EPAW01289
         PUBLIC LAW 92 500  FEDERAL WATER POLLUTION CONTROL ACT AMENDMENTS OF 1972                                  DATE: 72-11
         AUTHOR(S): EPA                                                    TYPE(S): PM           CATEGORIES: P
         SOURCE(S): GPO         OPA            COST:     1.10 P            LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           LAWS AND REGULATIONS
         REMARKS AND ABSTRACT:
         NO. 022-003-99880; FREE FROM OPA.

EPAW01318
         PROPER TRAINING AND GOOD SAFETY PRACTICES CAN PREVENT ACCIDENTS IN SEWER MAINTENANCE                      DATE: 76-99
         AUTHOR(S): HOLCOMB A E                                            TYPE(S): SL AC        CATEGORIES: O
         SOURCE(S): TX DOH                     COST:     0.00 R            LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           SAFETY                          MAINTENANCE (WASTEWATER)        SEWERS
         REMARKS AND ABSTRACT:
         DESIGNED TO ASSIST MANAGEMENT AND SUPERVISORY PERSONNEL WITH SAFETY AND TRAINING PROCEDURES.
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EPAW01325
        HANDBOOK FOR MONITORING INDUSTRIAL WASTEWATER                                                          DATE: 73-09
        AUTHOR(S): EPA                                               TYPE(S): PM           CATEGORIES: M O P S
        SOURCE(S): EPA1                   COST:      0.00 P          LEVEL:   3            COPYRIGHT:
        SUBJECT AREAS:
          INDUSTRIAL WASTES            CHEMICAL ANALYSIS             EFFLUENTS                   DATA EVALUATION
          ANALYTICAL TECHNIQUES        SAMPLING                      FLOW MEASUREMENT            PROCESS CONTROL
          DOMESTIC WASTEWATERS         CONVERSION TABLES             MANUALS                     PHYSICAL ANALYSIS
          MONITORING
        REMARKS AND ABSTRACT:
        APPROX. 200PP.
        COMPILATION OF REFERENCE INFORMATION FOR MONITORING NEED , PLANNING, SAMPLING, MEASURING AND ANALYSIS.  LOGICAL
        PROCEDURES GIVEN FOR OPERATIONAL PERSONNEL.  AUTOMATIC SAMPLING, MEASURING AND ANALYTICAL DEVICES DESCRIBED AND
        IDENTIFIED.  JOINT INDUSTRIAL-MUNICIPAL TREATMENT BRIEFLY COVERED.  DETAILED REFERENCE LIST OF EQUIPMENT
        MANUFACTURERS. BIBLIOGRAPHY.

EPAW01336
        BASIC WASTEWATER LABORATORY COURSE   (OUT OF PRINT)                                                    DATE: 76-99
        AUTHOR(S): TEXAS A&M                                         TYPE(S): PM           CATEGORIES: M
        SOURCE(S): TEXAS AM               COST:      0.00            LEVEL:   2            COPYRIGHT:
        SUBJECT AREAS:
          ANALYTICAL TECHNIQUES
        REMARKS AND ABSTRACT:
        232PP.

EPAW01342
        LABORATORY GLASSWARE  SAFETY EDUCATION DATA SHEET                                                      DATE: 76-99
        AUTHOR(S): NSC                                               TYPE(S): PM           CATEGORIES: O
        SOURCE(S): NSC                    COST:      0.68 P          LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)
        REMARKS AND ABSTRACT:
        (STOCK NO. 429.04-23), 40P.
        GENERAL REVIEW OF LABORATORY SAFETY.

EPAW01345
        SUSPENDED SOLIDS ANALYSIS                                                                              DATE: 76-01
        AUTHOR(S): NATL PAPER                                        TYPE(S): PM SL FS     CATEGORIES: M
        SOURCE(S): NATL PAPER             COST:     25.00 P          LEVEL:   1            COPYRIGHT: C
        SUBJECT AREAS:
          SUSPENDED MATTER
        REMARKS AND ABSTRACT:
        (AV001) SET OF 7 COLOR FILM STRIPS $125.00.
        PROCEDURES FOR THE CONDUCT OF "STANDARD METHODS" ANALYSES FOR THE MEASUREMENT OF SUSPENDED SOLIDS.
        RECENT GOVERNMENT REGULATIONS AT THE STATE AND FEDERAL LEVELS CALL FOR NEW AND INCREASED INDUSTRIAL EFFLUENT
        TESTING AND REPORTING.  THIS PROGRAM CAN BE CONDUCTED IN YOUR OWN FACILITIES TO TRAIN THE TECHNICIANS WHO WILL
        BE REQUIRED, BOTH IN INDUSTRY AND THE REGULATORY AGENCIES, TO MONITOR, TEST AND REPORT ON THIS INFORMATION.
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EPAW01346
SETTLEABLE SOLIDS ANALYSIS DATE: 76-01
AUTHOR(S): NATL PAPER TYPE(S): PM SL FS CATEGORIES: M
SOURCE(S): NATL PAPER COST: 25.00 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
SUSPENDED MATTER
REMARKS AND ABSTRACT:
(AV002) SET OF 7 COLOR FILM STRIPS - $125.00
PROCEDURES FOR THE CONDUCT OF "STANDARD METHODS" ANALYSES FOR THE MEASUREMENT OF SETTLEABLE SOLIDS. RECENT GOVERNMENT REGULATIONS AT THE STATE AND FEDERAL LEVELS CALL FOR NEW AND INCREASED INDUSTRIAL EFFLUENT TESTING AND REPORTING. THIS PROGRAM CAN BE DONE IN YOUR OWN FACILITIES TO TRAIN THE TECHNICIANS WHO WILL BE REQUIRED BOTH IN INDUSTRY AND THE REGULATORY AGENCIES, TO MONITOR, TEST AND REPORT ON THIS INFORMATION.

EPAW01348
BOD THEORY AND APPLICATION DATE: 76-01
AUTHOR(S): NATL PAPER TYPE(S): PM SL FS CATEGORIES: M
SOURCE(S): NATL PAPER COST: 25.00 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
BIOCHEMICAL OXYGEN DEMAND
REMARKS AND ABSTRACT:
(AV004) SET OF 7 COLOR FILM STRIPS - $125.00
PROCEDURES FOR THE CONDUCT OF "STANDARD METHODS" ANALYSES FOR THE MEASUREMENT OF BOD. RECENT GOVERNMENT REGULATIONS AT THE STATE AND FEDERAL LEVELS CALL FOR NEW AND INCREASED INDUSTRIAL EFFLUENT TESTING AND REPORTING. THIS PROGRAM CAN BE CONDUCTED IN YOUR OWN FACILITIES TO TRAIN THE TECHNICIANS WHO WILL BE REQUIRED, BOTH IN INDUSTRY AND THE REGULATORY AGENCIES, TO MONITOR, TEST, EVALUATE AND REPORT ON THIS INFORMATION.

EPAW01352
HOW TO MAKE SERIAL DILUTIONS DATE: 74-00
AUTHOR(S): AIBS TYPE(S): PM SL FS AC CATEGORIES: M
SOURCE(S): COMM SKILL COST: 25.00 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
BACTERIAL ANALYSIS
REMARKS AND ABSTRACT:
UNIT: 8101, RUNNING TIME: 15 MIN, 25 SL, STUDY GUIDE.
COVERS LABORATORY PROCEDURES USED TO COMPLETE A SERIAL DILUTION USING A SAMPLE TUBE PLUS EIGHT DILUTION TUBES. ILLUSTRATED USE OF TWO SOLUTIONS WITH AN INDICATOR. PREREQUISITES: KNOWLEDGE OF METRIC SYSTEM OF VOLUMES, USE OF PIPETTES, AND RATIO/CONCENTRATION CALCULATIONS.

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EPAW01364
        USE OF ASEPTIC TECHNIQUES IN THE TUBE TRANSFER OF BACTERIA                                                   DATE: 75-06
        AUTHOR(S): AIBS                                                  TYPE(S): FS SL AC PM   CATEGORIES: M
        SOURCE(S): COMM SKILL              COST:     29.50 P             LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          LABORATORY SKILLS              SELF PACED INSTRUCTION          BACTERIAL ANALYSIS
        REMARKS AND ABSTRACT:
        (NO. 8601) FILMSTRIP OR 35MM SLIDES, CASSETTE, STUDY GUIDE.
        PROCEDURE IS DESCRIBED AND SUGGESTED PRACTICE OUTLINED.

EPAW01370
        LABORATORY PROCEDURES  ANALYSIS FOR WASTEWATER TREATMENT PLANT OPERATORS                                     DATE: 71-06
        AUTHOR(S): WIETTI D                EPA                           TYPE(S): PM            CATEGORIES: M
        SOURCE(S): NTIS                    COST:      4.85 P             LEVEL:   1             COPYRIGHT:
        SUBJECT AREAS:
          ANALYTICAL TECHNIQUES          HYDROGEN                        SLUDGE CHARACTERISTICS        OXYGEN
          SUSPENDED MATTER
        REMARKS AND ABSTRACT:
        (PB-214-468/1), 98 PP.
        WASTEWATER LABORATORY MANUAL FURNISHED BY THE EPA AS AN AID TO THE LABORATORY ANALYST FOR MAKING WASTEWATER ANALYSES.
        IT IS NOT MEANT TO BE THE ULTIMATE ANSWER FOR THE MOST PRECISE AND ACCURATE TESTS.  HOWEVER, THE PROCEDURES CONTAINED
        HEREIN FOR THE MOST WIDELY USED PARAMETERS IN A TREATMENT PLANT ARE OF THE HIGHEST PRECISION.  PRESENTS OVER 40 TESTS
        SUCH AS FOR OXYGEN, NITROGEN, SLUDGE VOLUME, PH, BACTERIA, ETC.

EPAW01372
        PLANNING DEVELOPMENT AND MANAGEMENT OF WASTEWATER TREATMENT FACILITIES  TRAINING MANUAL  (OUT OF PRINT)       DATE: 76-99
        AUTHOR(S): EPA                                                   TYPE(S): PM            CATEGORIES: M
        SOURCE(S): NTIS                    COST:      0.00               LEVEL:   2             COPYRIGHT:
        SUBJECT AREAS:
          WASTEWATER TREATMENT PLANTS    MANUALS
        REMARKS AND ABSTRACT:

EPAW01382
        GUIDELINES TO CAREER DEVELOPMENT FOR WASTEWATER PLANT PERSONNEL                                              DATE: 73-09
        AUTHOR(S): EPA                                                   TYPE(S): PM            CATEGORIES: O P S
        SOURCE(S): EPA1                    COST:                         LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          JOB ANALYSIS                   INSTRUCTION                     MAINTENANCE (WASTEWATER)      RECORD KEEPING
          MANAGEMENT                     SAFETY                          MATHEMATICS                   COMMUNICATION
        REMARKS AND ABSTRACT:
        100 PP.
        IDENTIFIES MANPOWER REQUIREMENTS BY JOB TYPE AND PLANT CAPACITY; AND PROVIDES OCCUPATIONAL TRAINING REQUIREMENTS BY
        JOB TYPE.  PROVIDES TRAINING MODULE OUTLINES DEFINING COURSE LENGTH, PURPOSE, CONTENT, DESIGN AND EFFECTIVE TRAINING
        PROCESSES FOR 8 SPECIFIC AREAS (PERSONAL DEVELOPMENT, MATHEMATICS, SCIENCE, RECORD KEEPING, MAINTENANCE, OPERATION,
        MANAGEMENT).  ALSO PROVIDES CATEGORIZATION BY LEVEL OF LEARNING DIFFICULTY.  CAREER DEVELOPMENT GRID.  BIBLIOGRAPHY.
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EPAW01383
        PLANNED MAINTENANCE MANAGEMENT SYSTEM FOR MUNICIPAL WASTEWATER TREATMENT PLANTS                             DATE: 73-11
        AUTHOR(S): EPA                      SARGENT D H               TYPE(S): PM            CATEGORIES: O P S
        SOURCE(S): EPA1                     COST:      1.55 P         LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          MAINTENANCE (WASTEWATER)      PREVENTIVE MAINTENANCE        RECORD KEEPING
        REMARKS AND ABSTRACT:
        RPT:  EPA-600/2-73-004, 111PP., AUTH:  ENVIRO PLAN, INC.
        MODEL MAINTENANCE MANAGEMENT PROGRAM (PMMS) SUCCESSFULLY DEMONSTRATED AT FAIRFAX CO, VA. LOWER POTOMAC WASTEWATER
        TREATMENT PLANT.  MAINTENANCE OF COMPLEX EQUIPMENT REDUCED TO SIMPLE PROCEDURES DETAILING METHODS, MATERIALS,
        TOOLS, PERSONNEL, SCHEDULES AND DATA RECORDING REQUIREMENTS.  GLOSSARY, BIBL.

EPAW01384
        ESTIMATING COSTS AND MANPOWER REQUIREMENTS FOR CONVENTIONAL WASTEWATER TREATMENT FACILITIES                 DATE: 71-10
        AUTHOR(S): BLACK AND VEATCH         PATTERSON W L             TYPE(S): PM            CATEGORIES: D O P
        SOURCE(S): EPA1       GPO           COST:      2.00 P         LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          PLANT CONSTRUCTION            WASTEWATER TREATMENT PLANTS   STABILIZATION LAGOONS         COSTS
          PERSONNEL                     AERATED PONDS
        REMARKS AND ABSTRACT:
        251PP., AUTH: BANKER R F
        COST ESTIMATING GUIDELINES COVERING AVERAGE CONSTRUCTION COSTS, OPERATION AND MAINTENANCE COSTS, AND MANPOWER
        REQUIREMENTS FOR CONVENTIONAL WASTEWATER TREATMENT PLANTS (1 TO 100 MILLION GAL PER DAY CAPACITY), AND FOR
        STABILIZATION PONDS (0.1 TO 10 MILLION GALS PER DAY CAPACITY).  ESTIMATED AVERAGE CONSTRUCTION COSTS AND
        OPERATION/MAINTENANCE COSTS RELATED GRAPHICALLY.  OCCUPATIONAL DESCRIPTIONS FOR 24 JOB TITLES (IN ACCORDANCE
        WITH STANDARDS IN THE 'DICTIONARY OF OCCUPATIONAL TITLES'.

EPAW01386
        GUIDE TO THE PREPARATION OF OPERATIONAL PLANS FOR SEWAGE TREATMENT FACILITIES                               DATE: 73-07
        AUTHOR(S): SEILER E L               ALTMAN J W                TYPE(S): PM            CATEGORIES: O P S
        SOURCE(S): EPA1                     COST:      2.60 P         LEVEL:   3             COPYRIGHT:
        SUBJECT AREAS:
          WASTEWATER TREATMENT PLANTS   WASTEWATER TREATMENT DESIGN   JOB ANALYSIS                  RECORD KEEPING
          OPERATIONS                    STARTUP                       PROCESS CONTROL               PLANT PERFORMANCE
        REMARKS AND ABSTRACT:
        RPT:  EPA-R2-73-263, 212PP.
        GUIDES PLANNING PHASE OF TREATMENT PLANT DESIGN AND STARTUP TO ENSURE COST EFFECTIVE OPERATION.  HEAVY EMPHASIS ON
        UTILIZATION OF INFORMATIONAL AND TRAINING AIDS (MANUALS, CHECKLISTS, REFERENCE MATERIAL, TASK SCHEDULES, OPERATING
        RECORDS, JOB DESCRIPTION, ETC.).
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EPAW01387
        MAINTENANCE MANAGEMENT SYSTEMS FOR MUNICIPAL WASTEWATER FACILITIES                                   DATE: 73-10
        AUTHOR(S): EPA WPO                 JENNINGS J J            TYPE(S): PM          CATEGORIES: O S
        SOURCE(S): EPA1       GPO          COST:     1.60 P        LEVEL:   2           COPYRIGHT:
        SUBJECT AREAS:
          MAINTENANCE (WASTEWATER)      MANUALS                    EQUIPMENT (PLANT)          RECORD KEEPING
          BUDGET AND ACCOUNTING
        REMARKS AND ABSTRACT:
        RPT:  EPA-430/9-74-004, 118PP., AUTH:  PAGE G L
        PROVIDES GUIDELINES TO PLANT MANAGEMENT IN SELECTING, INSTITUTION AND EVALUATING VARIOUS MAINTENANCE MANAGEMENT
        SYSTEMS (INCLUDING POLICIES, PLANS, PROCEDURES).  CAN BE USED AS MANUAL WRITING GUIDE.  THE REPORT 'FEDERAL GUIDELINES
        FOR DESIGN, OPERATION AND MAINTENANCE OF WASTEWATER TREATMENT FACILITIES', 1970 USED AS PRIMARY INFORMATION SOURCE
        ARE INCLUDED AS APPENDIX.  EXAMPLES FOR SMALL, MEDIUM, LARGE FACILITIES.  SAMPLE FORMS.  BIBLIOGRAPHY.

EPAW01390
        MANPOWER REQUIREMENTS FOR WASTEWATER COLLECTION SYSTEMS IN CITIES AND TOWNS UP TO 150,000 IN POPULATION      DATE: 73-06
        AUTHOR(S): EPA WPO                 NC A&T STATE UNIV       TYPE(S): PM          CATEGORIES: O P S
        SOURCE(S): EPA1                    COST:                   LEVEL:   3           COPYRIGHT:
        SUBJECT AREAS:
          PERSONNEL                     JOB ANALYSIS
        REMARKS AND ABSTRACT:
        119PP.
        IDENTIFIES 11 IMPORTANT VARIABLES AFFECTING MANPOWER REQUIREMENTS (EG. AGE OF SYSTEM, SIZE, BUDGET, TOPOGRAPHY, ETC.)
        AND GIVES DETAILED OCCUPATIONAL DESCRIPTIONS (INCLUDING OCCUPATIONAL DEFINITION, MAIN DUTIES, WORKING CONDITIONS,
        PHYSICAL DEMANDS, BEHAVIORAL AND PSYCHOLOGICAL TRAITS, ETC) REQUIRED FOR EACH JOB TYPE.  COVERS TYPICAL
        ORGANIZATION CHARTS WITH EXAMPLES; CONTAINS OVERVIEW OF OPERATIONS AND MAINTENANCE.  GLOSSARY, BIBLIOGRAPHY.

EPAW01391
        MANPOWER AND TRAINING NEEDS OF STATE WATER POLLUTION CONTROL AGENCIES                                       DATE: 73-00
        AUTHOR(S): ABT ASSOC INC                                   TYPE(S): PM          CATEGORIES: P
        SOURCE(S): EPA1                    COST:                   LEVEL:   3           COPYRIGHT:
        SUBJECT AREAS:
          ADMINISTRATIVE AGENCIES       PERSONNEL                  JOB ANALYSIS
        REMARKS AND ABSTRACT:
        119 PP
        ASSISTS STATE WATER POLLUTION CONTROL AGENCIES TO ASSESS THE MANPOWER IMPACT OF THE 1972 WATER ACT AMENDMENTS;
        SPECIFICALLY, EXPANDED PERSONNEL, AND NECESSARY TRAINING AND RETRAINING REQUIREMENTS.  MANPOWER ESTIMATES BASED
        ON DEFINITION OF WORK AND FUNCTIONS, WORKLOAD ANALYSIS, STAFFING PATTERNS, ETC.  TRAINING NEEDS OUTLINED
        ACCORDING TO FUNCTION, OCCUPATIONAL TITLE, TRAINING REQUIREMENT (SUBJECT AREA) AND FREQUENCY/DURATION.
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EPAW01392
        ESTIMATING STAFFING FOR MUNICIPAL WASTEWATER TREATMENT FACILITIES                                     DATE: 73-03
        AUTHOR(S): EPA WPO                                          TYPE(S): PM             CATEGORIES: D O P
        SOURCE(S): EPA1       GPO           COST:     1.25 P        LEVEL:   3              COPYRIGHT:
        SUBJECT AREAS:
          WASTEWATER TREATMENT PLANTS   JOB ANALYSIS                STATISTICAL DATA               PERSONNEL
        REMARKS AND ABSTRACT:
        APPROX 100 PP
        STAFFING GRAPHS OUTLINE ANNUAL MANHOURS REQUIRED FOR VARYING CAPACITY PLANTS BY TYPE TREATMENT PROCESS USED; ALSO
        COVERS SUPERVISION, CLERICAL, LABORATORY AND YARDWORK MANPOWER REQUIREMENTS.  TECHNIQUES DISCUSSED FOR ANALYZING
        WORKLOAD, DEVELOPING ADJUSTMENT FACTORS (DEVIATION FROM 'AVERAGE' PLANT) AND ARRANGING MANHOURS INTO SPECIFIC JOBS.

EPAW01396
        EMERGENCY PLANNING FOR MUNICIPAL WASTEWATER TREATMENT FACILITIES                                      DATE: 74-02
        AUTHOR(S): EPA WPO                                          TYPE(S): PM             CATEGORIES: O P S
        SOURCE(S): EPA1       GPO           COST:     1.25 P        LEVEL:   3              COPYRIGHT:
        SUBJECT AREAS:
          EMERGENCY OPERATIONS (WASTE)  WASTEWATER TREATMENT PLANTS   DISASTERS                      PREVENTIVE MAINTENANCE
          POWER LOSS
        REMARKS AND ABSTRACT:
        RPT:  EPA-430/9-74-013,78PP.
        "FEW MUNICIPAL WASTEWATER TREATMENT SYSTEMS CURRENTLY HAVE FORMAL EMERGENCY OPERATING PLANS".  REPORT COVERS CAUSES
        AND IMPACTS OF MANMADE AND NATURAL DISASTERS, AND APPROPRIATE RESPONSE.  EMPHASIS ON IMPLEMENTING PROTECTIVE MEASURES,
        AND DEVELOPING A RESPONSE PROGRAM (OUTLINING TREATMENT SYSTEM, EMERGENCY AND CHECKLIST RESPONSE).  CHECKLIST GIVEN FOR
        COMPLYING WITH EPA CONSTRUCTION GRANTS REQUIREMENTS FOR O & M MANUAL CHAPTER ON EMERGENCY OPERATIONS.

EPAW01397
        ASPECTS OF STATE WIDE EMERGENCY RESPONSE PROGRAMS FOR MUNICIPAL WASTEWATER TREATMENT FACILITIES       DATE: 74-03
        AUTHOR(S): EPA WPO                                          TYPE(S): PM             CATEGORIES: L M O P S
        SOURCE(S): EPA1       GPO           COST:     1.25 P        LEVEL:   3              COPYRIGHT:
        SUBJECT AREAS:
          EMERGENCY RESPONSE PROGRAMS   LAWS AND REGULATIONS          WASTEWATER TREATMENT PLANTS   ADMINISTRATIVE AGENCIES
          SPILLS (CHEMICAL)             SPILLS (OIL)
        REMARKS AND ABSTRACT:
        RPT:  EPA 430/9-74-014, 77PP.
        EMPHASIZES A COORDINATED STATE RESPONSE TO SPILLS REQUIRING AN ORGANIZED RESPONSE (STRIKE FORCES, SAMPLING TEAMS, ETC)
        RESPONSE CENTER FACILITIES, REPORTING SYSTEMS, AND COST RECOVERY REQUIREMENTS.  PERTINENT FEDERAL AND STATE STATUTES
        AND REGULATIONS CITED AND EXTRACTED.  AMPLE USE OF SPECIFIC EXAMPLES EXTRACTED FROM STATE RESPONSE PROGRAMS.
        INCLUDES SAMPLE EMERGENCY RESPONSE PAMPHLET, VARIOUS FORMS, BIBL.
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EPAW01399
SAFETY EVERYBODYS BUSINESS (OUT OF PRINT) DATE: 76-99
AUTHOR(S): AETNA TYPE(S): MP VC CATEGORIES:
SOURCE(S): AETNA COST: 0.00 LEVEL: COPYRIGHT:
SUBJECT AREAS:
SAFETY
REMARKS AND ABSTRACT:
16MM FILM, 3/4 INCH VIDEO TAPE CASSETTE.

EPAW01408
HOW TO USE THE CHLORINE INSTITUTE EMERGENCY KIT A FOR ONE HUNDRED AND ONE HUNDRED AND FIFTY LB DATE: 74-00
AUTHOR(S): CHLOR INST TYPE(S): SL PM CATEGORIES: O
SOURCE(S): CHLOR INST COST: 30.00 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
CHLORINE SAFETY (CHEMICAL)
REMARKS AND ABSTRACT:
(A SLIDES) 49-2X2 COLOR SLIDES, SCRIPT; AVAILABLE IN EITHER ENGLISH OR FRENCH SCRIPT.
A HOW-TO DOCUMENT.

EPAW01413
HOW TO MEASURE DISSOLVED OXYGEN CONTENT OF WATER DATE: 74-00
AUTHOR(S): AIBS TYPE(S): PM SL FS AC CATEGORIES: M
SOURCE(S): COMM SKILL COST: 29.50 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
DISSOLVED OXYGEN
REMARKS AND ABSTRACT:
UNIT: 8101, RUNNING TIME: APPROX 15 MIN, 41 SL, STUDY GUIDE.
DEMONSTRATES WINKLER TITRATION METHOD (INCLUDING EQUATIONS NECESSARY FOR PROPER CALCULATION), AND USE OF OXYGEN PROBE METER FOR MEASUREMENT OF DO. PREREQUISITES: UNDERSTANDING OF METRIC SYSTEM, WEIGHING TECHNIQUES, AND TITRATION PROCEDURES USING A BURETTE.

EPAW01414
HOW TO GROW AND COUNT MICROORGANISMS ON MEMBRANE FILTERS DATE: 74-00
AUTHOR(S): AIBS BUTTERWORTH T M TYPE(S): PM SL FS AC CATEGORIES: M
SOURCE(S): COMM SKILL COST: 29.50 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
MEMBRANE FILTRATION MICROBIOLOGY BACTERIAL ANALYSIS
REMARKS AND ABSTRACT:
UNIT: 8615, RUNNING TIME: APPROX 10 MIN, 28 SL, STUDY GUIDE.
DETAILS LABORATORY PROCEDURES USED IN GROWING MICROORGANISMS THAT HAVE BEEN COLLECTED ON MEMBRANE FILTERS, COUNT THE NUMBER OF COLONIES THAT DEVELOP ON THE FILTER, AND CALCULATE THE NUMBER OF MICROORGANISMS IN 1 MILLILITER OR 100 MILLIMETERS OF THE SAMPLE FILTERED OR AN ORIGINAL UNDILUTED SOURCE. PREREQUISITE: KNOWLEDGE OF ASEPTIC TECHNIQUES, USE OF MEASURING PIPETTE, DISSECTION MICROSCOPE, AND MEMBRANE FILTRATION UNIT; AND ABILITY TO RECOGNIZE BACTERIAL COLONIES ON A SURFACE.

EPAW01415
HOW TO COLLECT MICROORGANISMS ON A MEMBRANE FILTER
DATE: 75-06
AUTHOR(S): AIBS
TYPE(S): FS SL AC PM
CATEGORIES: M
SOURCE(S): COMM SKILL
COST: 29.50 P
LEVEL: 2
COPYRIGHT: C
SUBJECT AREAS:
MEMBRANE FILTRATION
SELF PACED INSTRUCTION
REMARKS AND ABSTRACT:
(NO. 8617) FILMSTRIP OR 35MM SLIDES, CASSETTE, STUDY GUIDE.
PROCEDURE IS DESCRIBED AND SUGGESTED PRACTICE OUTLINED.

EPAW01425
HOW TO PLAN AN ENVIRONMENTAL CONFERENCE
DATE: 71-00
AUTHOR(S): LWV
TYPE(S): PM
CATEGORIES: E P
SOURCE(S): LWV
COST: 0.00 P
LEVEL: 1
COPYRIGHT:
SUBJECT AREAS:
PUBLIC PARTICIPATION
PLANNING
INSTRUCTION
PUBLIC RELATIONS
REMARKS AND ABSTRACT:
48PP. FUNDED BY EPA TECHNICAL TRAINING GRANT PUB. NO.695
HOW TO BRING DIVERSE GROUPS OF CITIZENS TOGETHER FOR A CONSTRUCTIVE SEMINAR ON AN ENVIRONMENTAL ISSUE. STEP-BY-STEP HINTS ON PLANNING, FINANCING, PUBLICIZING, CONDUCTING AND FOLLOWING-UP A CONFERENCE. INCLUDES DETAILED INFORMATION ON CHOOSING PARTICIPANTS, MAKING ARRANGEMENTS, ORGANZING THE PROGRAM, AND FOLLOWING-UP.

EPAW01433
ACCIDENT BUG
DATE: 76-99
AUTHOR(S): AIM
TYPE(S): MP
CATEGORIES: M
SOURCE(S): AIM
COST: 25.00 R
LEVEL: 1
COPYRIGHT: C
SUBJECT AREAS:
SAFETY (CHEMICAL)
REMARKS AND ABSTRACT:
(ZC-101) 16MM, 25 MIN., COLOR.
TECHNIQUES FOR MAINTAINING SAFETY CONSCIOUSNESS IN THE LABORATORY.

EPAW01461
HEALTH FACTORS IN THE SAFE HANDLING OF CHEMICALS
DATE: 72-10
AUTHOR(S): MCA
TYPE(S): PM
CATEGORIES: T O
SOURCE(S): MCA
COST: 0.25 P
LEVEL: 1
COPYRIGHT:
SUBJECT AREAS:
SAFETY (CHEMICAL)
CHEMICALS
REMARKS AND ABSTRACT:
ORDER NO. SG-1, 4PP.
KNOWLEDGE OF CERTAIN HEALTH FACTORS CAN LEAD TO SAFER HANDLING OF CHEMICALS. TOPICS DISCUSSED INCLUDE: MODE OF ENTRY, LOCAL EFFECTS AND EMERGENCY TREATMENT.

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EPAW01462
        FLAMMABLE LIQUIDS  STORAGE AND HANDLING OF DRUM LOTS AND SMALLER QUANTITIES                                   DATE: 73-09
        AUTHOR(S): MCA                                                TYPE(S): PM           CATEGORIES: T O
        SOURCE(S): MCA                  COST:     0.25 P              LEVEL:   1            COPYRIGHT:
        SUBJECT AREAS:
          SAFETY (FIRES)              NORMAL OPERATIONS               CHEMICALS
        REMARKS AND ABSTRACT:
        ORDER NO. SG-3, 4PP.
        SAFETY IN THE STORAGE AND HANDLING OF FLAMMABLE LIQUIDS IS A PROBLEM
        WHICH IS OFTEN ENCOUNTERED.  EQUIPMENT AND STORAGE PROCEDURES
        ARE DISCUSSED.

EPAW01468
        PUBLIC RELATIONS IN EMERGENCIES                                                                               DATE: 76-99
        AUTHOR(S): MCA                                                TYPE(S): PM           CATEGORIES: P
        SOURCE(S): MCA                  COST:     0.25 P              LEVEL:   2            COPYRIGHT:
        SUBJECT AREAS:
          DISASTERS                   PLANNING                        PUBLIC RELATIONS            EMERGENCY RESPONSE PROGRAMS
        REMARKS AND ABSTRACT:
        ORDER NO. SG-12, 4PP.
        CRITERIA FOR EVALUATING PUBLIC RELATIONS PLANS FOR DISASTERS.

EPAW01473
        IDENTIFICATION OF MATERIALS                                                                                   DATE: 76-99
        AUTHOR(S): MCA                                                TYPE(S): PM           CATEGORIES: O
        SOURCE(S): MCA                  COST:     0.25 P              LEVEL:   1            COPYRIGHT:
        SUBJECT AREAS:
          SAFETY (CHEMICAL)           CHEMICALS
        REMARKS AND ABSTRACT:
        ORDER NO. SG-18, 4PP.
        DISCUSSES IMPORTANCE OF KNOWING THE MATERIALS ONE
        IS HANDLING BEFORE MIXING.

EPAW01476
        CHEMICAL SAFETY DATA SHEET  CAUSTIC SODA                                                                      DATE: 75-04
        AUTHOR(S): MCA                                                TYPE(S): PM           CATEGORIES: O S
        SOURCE(S): MCA                  COST:     0.50 P              LEVEL:   2            COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)           NORMAL OPERATIONS               CHEMICALS
        REMARKS AND ABSTRACT:
        ORDER NO. SD-0, 18 PP.
        HAZARDS, SAFETY, HANDLING AND STORAGE OF CAUSTIC SODA.
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EPAW01477
        CHEMICAL SAFETY DATA SHEET  CHLORINE                                                          DATE: 74-01
        AUTHOR(S): MCA                                         TYPE(S): PM          CATEGORIES: D O S
        SOURCE(S): MCA                 COST:      0.50 P       LEVEL:   3           COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)          NORMAL OPERATIONS         CHLORINE
        REMARKS AND ABSTRACT:
        ORDER NO. SD-80, 34 PP.
        HAZARDS, SAFETY, HANDLING AND STORAGE OF CHLORINE.

EPAW01478
        CHEMICAL SAFETY DATA SHEET  HYDROFLUORIC ACID                                                 DATE: 72-08
        AUTHOR(S): MCA                                         TYPE(S): PM          CATEGORIES: O S
        SOURCE(S): MCA                 COST:      0.50 P       LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)          NORMAL OPERATIONS         CHEMICALS
        REMARKS AND ABSTRACT:
        ORDER NO. SD-25, 40 PP.
        HAZARDS, SAFETY, HANDLING AND STORAGE OF HYDRFLUORIC ACID.

EPAW01482
        CARGO INFORMATION CARD  CAUSTIC SODA SOLUTION                                                 DATE: 70-05
        AUTHOR(S): MCA                                         TYPE(S): PM          CATEGORIES: O
        SOURCE(S): MCA                 COST:      0.10 P       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)
        REMARKS AND ABSTRACT:
        ORDER NO. CIC-23, 1P.
        DIRECTION FOR HANDLING AN ACCIDENT.

EPAW01483
        CARGO INFORMATION CARD  CHLORINE                                                              DATE: 70-05
        AUTHOR(S): MCA                                         TYPE(S): PM          CATEGORIES: O
        SOURCE(S): MCA                 COST:      0.10 P       LEVEL:   1           COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)          CHLORINE
        REMARKS AND ABSTRACT:
        ORDER NO. CIC-24, 1P.
        DIRECTIONS FOR HANDLING AN ACCIDENT.
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EPAW01484
        CARGO INFORMATION CARD  HYDROFLUORIC ACID                                                           DATE: 70-05
        AUTHOR(S): MCA                                            TYPE(S): PM            CATEGORIES: O
        SOURCE(S): MCA                   COST:      0.10 P        LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)
        REMARKS AND ABSTRACT:
        ORDER NO. CIC-52, 1P.
        DIRECTIONS FOR HANDLING AN ACCIDENT.

EPAW01485
        CARGO INFORMATION CARD  COMPRESSED GASES                                                            DATE: 71-05
        AUTHOR(S): MCA                                            TYPE(S): PM            CATEGORIES: O
        SOURCE(S): MCA                   COST:      0.10 P        LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (CHEMICAL)          GASES
        REMARKS AND ABSTRACT:
        ORDER NO. CIC-82, 1P.
        DIRECTIONS FOR HANDLING AN ACCIDENT.

EPAW01486
        CARGO INFORMATION CARD  CARGOES WITH FLASHPOINTS LOWER THAN TWENTY DEGREE FAHRENHEIT               DATE: 71-05
        AUTHOR(S): MCA                                            TYPE(S): PM            CATEGORIES: O
        SOURCE(S): MCA                   COST:      0.10 P        LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (FIRES)             FIRES
        REMARKS AND ABSTRACT:
        ORDER NO. CIC-83, 1P.
        DIRECTIONS FOR HANDLING AN ACCIDENT.

EPAW01487
        CARGO INFORMATION CARD  CARGOES WITH FLASHPOINTS TWENTY DEGREES TO EIGHTY DEGREES FAHRENHEIT       DATE: 71-05
        AUTHOR(S): MCA                                            TYPE(S): PM            CATEGORIES: O
        SOURCE(S): MCA                   COST:      0.10 P        LEVEL:   1             COPYRIGHT: C
        SUBJECT AREAS:
          SAFETY (FIRES)             FIRES
        REMARKS AND ABSTRACT:
        ORDER NO. CIC-84, 1P
        DIRECTIONS FOR HANDLING AN ACCIDENT.
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EPAW01488
         CARGO INFORMATION CARD  CARGOES WITH FLASHPOINTS ABOVE EIGHTY DEGREES FAHRENHEIT                    DATE: 71-05
         AUTHOR(S): MCA                                            TYPE(S): PM               CATEGORIES: O
         SOURCE(S): MCA                       COST:     0.10 P     LEVEL:    1               COPYRIGHT: C
         SUBJECT AREAS:
           SAFETY (FIRES)              FIRES
         REMARKS AND ABSTRACT:
         ORDER NO. CIC-85, 1P.
         DIRECTIONS FOR HANDLING AN ACCIDENT.

EPAW01489
         CARGO INFORMATION CARD  CARGOES WITH FLASHPOINT ABOVE EIGHTY DEGREES FAHRENHEIT REQUIRING HEAT FOR TRANSF     DATE: 71-05
         AUTHOR(S): MCA                                            TYPE(S): PM               CATEGORIES: O
         SOURCE(S): MCA                       COST:     0.10 P     LEVEL:    1               COPYRIGHT: C
         SUBJECT AREAS:
           SAFETY (FIRES)              FIRES
         REMARKS AND ABSTRACT:
         ORDER NO. CIC-86, 1P.
         DIRECTIONS FOR HANDLING AN ACCIDENT.

EPAW01511
         SAFETY IN THE CHEMICAL LABORATORY                                                                   DATE: 76-99
         AUTHOR(S): MCA                                            TYPE(S): MP               CATEGORIES: O
         SOURCE(S): FEIL       CAN IND        COST:    10.00 R     LEVEL:    1               COPYRIGHT:
         SUBJECT AREAS:
           SAFETY                      CHEMICALS
         REMARKS AND ABSTRACT:
         16MM, 20 MIN., COLOR, SOUND; PURCHASE PRICE: $125.00. (AVAIL FROM CAN IND FOR $0.00 R).
         AIDS IN FULFILLING ACCIDENT PREVENTION RESPONSIBILITIES IN LABORATORIES.  POINTS OUT BASIC LABORATORY HAZARDS AND
         DEMONSTRATES SAFE PROCEDURES TO ENCOURAGE STUDENTS AND LABORATORY WORKERS TO CULTIVATE SAFE WORK HABITS.
         STRESSES THE HAZARDOUS PROPERTIES OF SOME CHEMICALS AND CITES BENZENE AS ONE WHICH IS BOTH FLAMMABLE AND TOXIC.

EPAW01512
         PH  BUFFERS AND ACID BASE TITRATIONS                                                                DATE: 76-99
         AUTHOR(S): LAMOTTE                                        TYPE(S): PM               CATEGORIES: E T
         SOURCE(S): LAMOTTE                   COST:     0.30 P     LEVEL:    2               COPYRIGHT: C
         SUBJECT AREAS:
           ACIDITY                     CHEMICAL ANALYSIS           PH
         REMARKS AND ABSTRACT:
         ORDER NO. 1595, 16 PAGES
         THIS BOOKLET DEALS WITH THE THEORY OF PH AND THE PRACTICAL APPLICATION OF PH CONTROL.  IT COVERS THE USE OF PH INDICATOR
         SOLUTIONS, THE EFFECTS OF BUFFERS, AND ACID-BASE TITRATION.  SEVERAL TABLES AND GRAPHS ARE INCLUDED TO ILLUSTRATE THE
         SUBJECT MATTER.
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EPAW01513
         WATER QUALITY OVERHEAD DEMONSTRATION OUTFIT FOR WATER HARDNESS  PH  IRON  CHLORINATION  TASTE          DATE: 76-99
         AUTHOR(S): LAMOTTE                                          TYPE(S): OT           CATEGORIES: E T
         SOURCE(S): LAMOTTE                 COST:     94.95 P        LEVEL:   2            COPYRIGHT:
         SUBJECT AREAS:
           CHEMICAL ANALYSIS               CHLORINATION              COLOR                         HARDNESS
           TASTE AND ODOR                  IRON                      PH
         REMARKS AND ABSTRACT:
         ORDER NO. 5572; INCLUDES HANDBOOK 'A STUDY OF WATER QUALITY'; PACKAGED IN AN ATTACHE CARRYING CASE.
         THIS OUTFIT INCLUDES ALL THE GLASSWARE, REAGNETS, APPARATUS AND TRANSPARENCIES REQUIRED TO PERFORM THE DEMONSTRATIONS.

EPAW01514
         MANAGEMENT BY OBJECTIVES                                                                                DATE: 76-99
         AUTHOR(S): LANSFORD                                         TYPE(S): AC           CATEGORIES: S T
         SOURCE(S): LANSFORD                COST:     89.95 P        LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT BY OBJECTIVES
         REMARKS AND ABSTRACT:
         ORDER NO. SE401C, 6 CASSETTES.
         THESE SIX LECTURES COVER MANAGEMENT BY OBJECTIVES AS A PHILOSOPHY, A METHOD, AND A PROCESS; THE FUNCTION OF THE
         MANAGER USING M.B.O.; HOW THE EMPLOYEE BENEFITS FROM M.B.O. AND INSTALLING AN M.B.O. SYSTEM.

EPAW01515
         MANAGEMENT BY OBJECTIVES FOR THE NOT FOR PROFIT ENTERPRISE                                              DATE: 76-99
         AUTHOR(S): LANSFORD                                         TYPE(S): OT           CATEGORIES: S T
         SOURCE(S): LANSFORD                COST:     89.95 P        LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT BY OBJECTIVES
         REMARKS AND ABSTRACT:
         ORDER NO. S0401T, 14 TRANSPARENCIES
         REVIEWS CONCEPTS AND EXPLAINS IN TERMS APPLICABLE TO THE LEADERS OF SCHOOLS, GOVERNMENT DEPARTMENTS, HOSPITALS, AND
         VOLUNTARY AGENCIES.  THE MATERIAL WILL OUTLINE A PROCEDURE FOR INSTITUTING SUCH A SYSTEM IN THE NOT-FOR-PROFIT
         ORGANIZATIONS WITHIN A GRADUAL (PERHAPS TWO-YEAR) TIME FRAME, THUS ALLOWING THE BUSY EXECUTIVE TO CARRY ON NORMAL
         OPERATIONS DURING THE TIME A NEW SYSTEM IS BEING CREATED  OR AN EXISTING ONE MODIFIED.

EPAW01516
         CAREER PLANNING FOR MANAGERS                                                                            DATE: 76-99
         AUTHOR(S): LANSFORD                WILLIAMS P               TYPE(S): OT PM        CATEGORIES: S T
         SOURCE(S): LANSFORD                COST:     99.95 P        LEVEL:   2            COPYRIGHT: C
         SUBJECT AREAS:
           MANAGEMENT                      JOB ANALYSIS
         REMARKS AND ABSTRACT:
         ORDER NO. WW301, 13 TRANSPARENCIES AND 2 BOOKLETS.
         CAN BE USED IN CONJUNCTION WITH A 2 TO 5-DAY LIFE OR CAREER PLANNING OR CAREER ASSESSMENT WORKSHOP.  CONCEPTS INCLUDED
         HELP PARTICIPANTS RELATE LIFE STYLE WITH CAREER OBJECTIVES.  CAREER PLANNING POLICIES, STRENGTH, MANAGEMENT STRATEGIES
         AND PERSONAL AND PROFESSIONAL GROWTH SYSTEMS ARE COMPARED AND RELATED TO CAREER ASSESSMENT AND PLANNING PROCESS.  MAY
         ALSO BE USED IN CONJUNCTION WITH A MANAGEMENT DEVELOPMENT WORKSHOP.  ORGANIZATION, TECHNOLOGY, STRUCTURE, AND CULTURE
         ARE EVALUATED IN TERMS OF THE MANAGER'S CHANGE GOAL.  DIAGNOSTIC AND ACTION PLANNING CHECKLISTS ARE INCLUDED.
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EPAW01517 DATE: 76-99

COMMUNICATION SKILLS

AUTHOR(S): LANSFORD TYPE(S): OT PM AC CATEGORIES: S T

SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C

SUBJECT AREAS:

COMMUNICATION

REMARKS AND ABSTRACT:

ORDER NO. WW402TC, 10 TRANSPARENCIES, 1 CASSETTE, HANDOUTS, READING AND WORKBOOK. PROVIDING A FOUNDATION FOR GOOD INTERPERSONAL COMMUNICATION IS ESSENTIAL IN THE ORGANIZATION. RISK, FEEDBACK, LISTENING WITH EMPATHY, COGNITIVE DISSONANCE, CONGRUENCE, LEVELING, CLARIFYING, AND DIFFERENTIATING ARE SOME OF THE SKILLS TO BE DEVELOPED. BARRIERS AND SOLUTIONS TO INTRA-AND INTERPERSONAL COMMUNICATION ARE EXPLORED THROUGH THE USE OF THE JOHARI WINDOW, FIRO, TRANSACTIONAL ANALYSIS, GESTALT, AND EXISTENTIAL MODELS. EXERCISES GUIDE THE PRACTICE AND DEVELOPMENT OF COMMUNICATION, FACILITATION, AND LEADERSHIP SKILLS.

EPAW01518 DATE: 76-99

MANAGEMENT TEAM BUILDING

AUTHOR(S): LANSFORD TYPE(S): OT PM AC CATEGORIES: S T

SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C

SUBJECT AREAS:

MANAGEMENT

REMARKS AND ABSTRACT:

ORDER NO. WW403T, 10 TRANSPARENCIES, HANDOUTS, WORKBOOK, READINGS AND CASSETTE. PRACTICAL PROBLEMS AND ALTERNATIVES TO BUILDING AN EFFECTIVE MANAGEMENT TEAM ARE FOCUSED ON THROUGH GROUP EXERCISES, CASES, INSTRUMENTS, AND READINGS. GROUP DYNAMICS, NORMS, PROCESS, LEADERSHIP STYLE, PROBLEM-SOLVING, DECISION-MAKING, PLANNING, AND DEVELOPMENT ARE EXPERIENCED AND CONCEPTUALIZED THROUGH FEEDBACK, ROLE-PLAYING, AND CASE ANALYSIS EXERCISES. TEAM BUILDING ISSUES ARE EXAMINED. SKILLS OF GROUP PROCESS, DIAGNOSIS CONSTRUCTIVE FEEDBACK, AND SECURING PROBLEM OWNERSHIP ARE EMPHASIZED.

EPAW01519 DATE: 76-99

BASIC SUPERVISORY SKILLS

AUTHOR(S): LANSFORD TYPE(S): OT PM CATEGORIES: S T

SOURCE(S): LANSFORD COST: 9.95 P LEVEL: 2 COPYRIGHT: C

SUBJECT AREAS:

SUPERVISION

REMARKS AND ABSTRACT:

ORDER NO. WW401T, 10 TRANSPARENCIES, HANDOUTS AND WORKBOOK. FOCUSES ON BASIC SKILLS REQUIRED FOR EFFECTIVE SUPERVISON. AREAS COVERED: NATURE OF SUPERVISION AND RESPONSIBILITIES OF THE SUPERVISOR; PLANNING AND CONTROL; LEADERSHIP STYLES; MOTIVATION; OVERCOMING RESISTANCE TO CHANGE; INTERVIEWING AND PERFORMANCE APPRAISING.

EPAW01520
WHAT THE NON FINANCIAL MANAGER NEEDS TO KNOW ABOUT FINANCES DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT PM CATEGORIES: S T
SOURCE(S): LANSFORD COST: 99.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
BUDGET AND ACCOUNTING
REMARKS AND ABSTRACT:
ORDER NO. W401T, 12 TRANSPARENCIES, HANDOUTS AND WORKBOOK.
DEALS WITH THE BASIC FINANCIAL STATEMENTS, CASH FLOW ANALYSIS, BUDGETING PROCEDURES, THE CONCEPT OF PRESENT VALUE, AND THEIR ANALYSIS AND THE EVALUATION OF ALTERNATIVE INVESTMENT OPPORTUNITIES.

EPAW01521
GROUP CREATIVITY DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 69.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. R302, 10 TRANSPARENCIES.
WHY DO SOME GROUPS FUNCTION EFFICIENTLY AND CREATIVELY WHILE OTHERS WASTE TIME AND EFFORT CARRYING OUT THE MOST MUNDANE FUNCTIONS? REASONS AND SUGGESTIONS FOR GROUP AND INDIVIDUAL CREATIVITY ARE PRESENTED.

EPAW01522
COMMUNICATION GAMES DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT PM CATEGORIES: S T
SOURCE(S): LANSFORD COST: 69.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION INSTRUCTION
REMARKS AND ABSTRACT:
ORDER NO. WHA201, 8 TRANSPARENCIES, 1 KIT.
OUTLINES HOW ONE CAN CONSTRUCT SIX UNCOMPLICATED GAMES WHICH ILLUSTRATE PRINCIPLES INVOLVED IN EFFECTIVE COMMUNICATION.

EPAW01523
QUESTION TECHNIQUES DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION (ORAL)
REMARKS AND ABSTRACT:
ORDER NO. Q401T, 15 TRANSPARENCIES.
VISUAL PRESENTATION OF THE TECHNIQUES USED IN ASKING CORRECT QUESTIONS. DISCUSSION PROMOTES THE CORRECT CONTENT, TIMING, AND FORMS OF QUESTIONS WHICH ELICIT DESIRED RESPONSES.

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EPAW01525
        BODY LANGUAGE                                                                                DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD               COST:    89.95 P     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          COMMUNICATION
        REMARKS AND ABSTRACT:
        ORDER NO. WR302T, 15 TRANSPARENCIES.
        ALERTS VIEWERS TO SPECIAL HUMAN MESSAGES, SUCH AS INDIVIDUAL GAIT, QUIET AVOIDANCES, VISUAL SEARCH AND
        RESPONSE, HANDWRITING, AND LIVING EVNIRONMENTS.

EPAW01527
        COMPONENTS OF SMALL GROUP INTERACTION                                                        DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: S
        SOURCE(S): LANSFORD               COST:    89.95 P     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          HUMAN REL AND PSYCHOL ASPECTS COMMUNICATION
        REMARKS AND ABSTRACT:
        ORDER NO. SK304T, 15 TRANSPARENCIES.
        COVERS THE VARIABLES RELATED TO GROUP COMPOSITION, STRUCTURE, OPERATION, TASK AND OUTCOMES.

EPAW01528
        INTERPERSONAL RELATIONS                                                                      DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: S T
        SOURCE(S): LANSFORD               COST:    99.95 P     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          HUMAN REL AND PSYCHOL ASPECTS
        REMARKS AND ABSTRACT:
        ORDER NO. WP302T, 16 TRANSPARENCIES.
        A SAMPLING OF PSYCHOLOGICAL THEORIES AND RESEARCH ON THOUGHTS, FEELINGS, AND ACTIONS OF PEOPLE TOWARD
        ONE ANOTHER.

EPAW01529
        GROUP BRAINSTORMING                                                                          DATE: 76-99
        AUTHOR(S): LANSFORD                                    TYPE(S): OT          CATEGORIES: S T
        SOURCE(S): LANSFORD               COST:    79.95 P     LEVEL:   2           COPYRIGHT: C
        SUBJECT AREAS:
          COMMUNICATION                HUMAN REL AND PSYCHOL ASPECTS
        REMARKS AND ABSTRACT:
        ORDER NO. WA105, 12 TRANSPARENCIES.
        PRESENTS BASIC GUIDELINES FOR BRAINSTORMING AND ILLUSTRATE THEM WITH IDEAS FROM AN ACTUAL BRAINSTORMING
        SESSION.  PRINCIPLES ILLUSTRATED ARE USEFUL IN INDUSTRIAL DESIGN, MARKETING, EDUCATION, PSYCHOLOGY,
        SCIENCE AND OTHER AREAS WHERE CREATIVE METHODS ARE NEEDED.
```

EPAW01531
DYNAMICS OF PERSUASION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S T
SOURCE(S): LANSFORD COST: 119.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION SUPERVISION
REMARKS AND ABSTRACT:
ORDER NO. WP301T, 18 TRANSPARENCIES.
PRESENTS ELEMENTS OF ATTITUDE CHANGE AND PERSUASION, INCLUDING CONSISTENCY THEORY, RELATIONSHIPS BETWEEN ATTITUDES, PARTICIPATION AND COMPLIANCE, BOOMERANG EFFECT, SLEEPER EFFECT, DISTRATION, SOURCE CREDIBILITY, ONE-AND TWO-SIDED APPEALS, AND FEAR APPEAL.

EPAW01533
FRUSTRATION AND CONFLICT DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. SE404T, 10 TRANSPARENCIES.
A MODERN ANALYSIS ATTEMPTING TO UNIFY THE DIFFERING INTERPRETATIONS BY EXAMINING BOTH THE EMOTIONAL (RESPONDENTS) AND THE BEHAVIORAL VIEWPOINTS. SOURCES OF FRUSTRATION AND TYPES OF CONFLICT ARE GIVEN ALONG WITH REACTIONS AND CRITERIA OF DYSFUNCTIONAL ADJUSTMENT.

EPAW01534
IMPROVING SELF ESTEEM AND RELATIONSHIPS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT PM AC CATEGORIES: S
SOURCE(S): LANSFORD COST: 119.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. SN402TC, 18 TRANSPARENCIES, 2 CASSETTES, FACILITATOR'S GUIDE, AND PARTICIPANT'S HANDBOOK.
DESIGNED TO FOSTER GROWTH OF SELF-ESTEEM AND WAYS OF INTERACTING IN SUCH RELATIONSHIPS AS EMPLOYEE AND BOSS, AS STUDENT AND TEACHER, AS CLUB OR CHURCH MEMBERS. OUTLINES GROUP SESSIONS WITH YOUTH AND/OR ADULTS FOR THE PURPOSE OF LEARNING TO LIKE ONESELF, TO IDENTIFY AND COMMUNICATE HIS OR HER OWN NEEDS AND FEELINGS, AND TO AFFIRM THE POTENTIALS IN OTHER GROUP MEMBERS.

EPAW01535
SELF CONTROL DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. SE407T, 15 TRANSPARENCIES.
TECHNIQUES OF CONTROL, ESPECIALLY SELF CONTROL, ARE ILLUSTRATED, WITH TYPICAL APPLICATION.

EPAW01561
FIRE PREVENTION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: O S L
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SAFETY (FIRES) EMERGENCY RESPONSE PROGRAMS FIRES
REMARKS AND ABSTRACT:
ORDER NO. S331T, 12 TRANSPARENCIES.
BASICS OF FIRE SCIENCE INSTRUCTION TECHNIQUES ARE PRESENTED, INCLUDING FIRE HAZARD MEASUREMENT, ORGANIZATION OF FIRE SERVICE AGENCIES, FIREFIGHTING TACTICS, LEGAL PROBLEMS OF FIRE FIGHTERS, FIRE DETECTION AND CAUSES, WATER SYSTEMS, AND ELEMENTS OF HAZARDOUS MATERIALS.

EPAW01567
CAPITAL BUDGETING DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
BUDGET AND ACCOUNTING
REMARKS AND ABSTRACT:
ORDER NO. SOS401T, 14 TRANSPARENCIES.
PROVIDES AN INSIGHT INTO THE LONG-TERM ASSET SELECTION OF CORPORATIONS. STARTS WITH THE GATHERING OF INFORMATION NECESSARY FOR PROJECT EVALUATION AND CONTINUES THROUGH THE POST-AUDIT OF THE EFFECTIVENESS OF THE PROJECT. A GREAT DEAL OF ATTENTION IS DEVOTED TO THE ANALYSIS OF RISK IN THE CAPITAL BUDGETING DECISION.

EPAW01582
CONTRACTS DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 94.95 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
BUDGET AND ACCOUNTING AGREEMENTS AND CONTRACTS
REMARKS AND ABSTRACT:
ORDER NO. WROG402T,17 TRANSPARENCIES.
COVERS NATURE AND CLASSES OF CONTRACTS AND CONCEPTS SUCH AS AGREEMENT, CAPACITY, CONSIDERATION, FORM, ETC.

EPAW01583
OFFICE RECORDS MANAGEMENT DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): OT CATEGORIES: S
SOURCE(S): LANSFORD COST: 119.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
RECORD KEEPING
REMARKS AND ABSTRACT:
ORDER NO. WS1401T, 20 TRANSPARENCIES.

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EPAW01594
          SAFETY IN THE CHEMISTRY LABORATORY                                                            DATE: 76-99
          AUTHOR(S): LANSFORD                                     TYPE(S): OT          CATEGORIES: M
          SOURCE(S): LANSFORD          COST:     89.95 P          LEVEL:   1           COPYRIGHT: C
          SUBJECT AREAS:
            SAFETY (CHEMICAL)             CHEMICAL ANALYSIS
          REMARKS AND ABSTRACT:
          ORDER NO. N301T, 16 TRANSPARENCIES.
          FOCUSSES ATTENTION ON SAFE PRACTICES IN THE CHEMISTRY LABORATORY.  SHOWS HOW STUDENTS CAN BEST AVOID EYE INJURY,
          CUTS, AND BRUISES.

EPAW01609
          GROUP LEADERSHIP                                                                              DATE: 76-99
          AUTHOR(S): LANSFORD          KLOPF D W                  TYPE(S): AC PM       CATEGORIES: S
          SOURCE(S): LANSFORD          COST:     89.95 P          LEVEL:   2           COPYRIGHT: C
          SUBJECT AREAS:
            SUPERVISION                   COMMUNICATION
          REMARKS AND ABSTRACT:
          ORDER NO. SK401C, 6 CASSETTES AND BOOKLET.  APPROX. RUNNING TIME 30 MIN.
          TOPIC INCLUDED:  LEADERSHIP PERSPECTIVES, STYLES OF LEADERSHIP, VARIABLES OF LEADERSHIP EFFECTIVENESS, AND
          LEADERSHIP FUNCTIONS AND PERFORMANCES.

EPAW01612
          BEHAVIORAL THERAPY IN ACTION                                                                  DATE: 76-99
          AUTHOR(S): LANSFORD          WOLPE J                    TYPE(S): AC          CATEGORIES: S
          SOURCE(S): LANSFORD          COST:     59.95 P          LEVEL:   3           COPYRIGHT: C
          SUBJECT AREAS:
            HUMAN REL AND PSYCHOL ASPECTS
          REMARKS AND ABSTRACT:
          ORDER NO. SW0401C, 4 CASSETTES.
          CONSISTS OF A SERIES OF DISCUSSIONS BETWEEN DR. JOSEPH WOLPE AND SOME OF HIS PATIENTS.

EPAW01613
          COMMUNICATION LECTURES                                                                        DATE: 76-99
          AUTHOR(S): LANSFORD                                     TYPE(S): AC PM       CATEGORIES: S
          SOURCE(S): LANSFORD          COST:     49.95 P          LEVEL:   2           COPYRIGHT: C
          SUBJECT AREAS:
            COMMUNICATION
          REMARKS AND ABSTRACT:
          ORDER NO. R303C, 4 CASSETTES, 2 BOOKLETS.
          COVERS:  THE COMMUNICATION PROCESS; PERSUASION AND ATTITUDE CHANGE; HUMAN LISTENING; AUDIENCE ANALYSIS.
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EPAW01614
INTERPERSONAL COMMUNICATION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): AC PM CATEGORIES: S
SOURCE(S): LANSFORD COST: 79.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
ORDER NO. RT402C, 6 CASSETTES, 2 BOOKLETS.
EXAMINES THE FACTORS THAT INFLUENCE OUR CONTACTS WITH OTHERS AND SEEKS WAYS TO DEEPEN AND ENRICH THAT CONTACT. INCLUDES: THE SELF AND ITS EXPRESSION; REAL AND IDEAL; ORIENTATIONS TO OTHER PEOPLE; THE EFFECTS OF DOMINANCE, POWER, AND AUTHORITY; THE ENCOUNTER GROUP; GROUP FUNCTIONS AND PHASES; AND I-THOU; RELATIONSHIP THROUGH DIALOGUE.

EPAW01615
INTRAPERSONAL COMMUNICATION DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): AC SL PM CATEGORIES: S
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION
REMARKS AND ABSTRACT:
ORDER NO. RT401SC, 25 SLIDES, 6 CASSETTES, 2 BOOKLETS.
DEALS WITH THE INNER WORKINGS OF THE COMMUNICATOR, THE INTRAPERSONAL ASPECTS OF COMMUNICATION. INCLUDES: THE NATURE OF THE INTERNAL COMMUNICATION SYSTEM; INFORMATION; INPUT AND STORAGE; PERCEPTION; COGNITION; ORGANIZATION; AND BEHAVIOR: OUTPUT AND FEEDBACK.

EPAW01616
WORKING WITH INDIVIDUALS DATE: 76-99
AUTHOR(S): LANSFORD ZACCARIA J S TYPE(S): AC PM CATEGORIES: S
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SUPERVISION HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. SZ401C, 6 CASSETTES, 1 RESOURCE BOOK, 1 STUDY GUIDE. EACH LECTURE APPROX. 40 MIN.
TITLES INCLUDE: AN INTRODUCTION TO INDIVIDUAL COUNSELING, THE PROCESS OF INDIVIDUAL COUNSELING, THE CLIENT-CENTERED COUNSELING OF CARL ROGERS, EXISTENTIAL COUNSELING, THE TRAIT AND FACTOR COUNSELING OF EDMUND WILLIAMSON, THE RATIONAL EMOTIVE COUNSELING OF ALBER ELLIS.

EPAW01617
SELF ESTEEM DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): AC CATEGORIES: S
SOURCE(S): LANSFORD COST: 59.95 P LEVEL: 3 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS
REMARKS AND ABSTRACT:
ORDER NO. OUR402C, 4 CASSETTES.
A SERIES OF CONVERSATIONS WITH THE STUDENTS AT THE OPERANT BEHAVIOR MODIFICATION PROJECT, VA HOSPITAL, MENLO PARK, CALIFORNIA WHERE PEOPLE ARE WORKING FULL TIME IN TRYING TO MODIFY THE WAY IN WHICH THEY THINK ABOUT THEMSELVES.

EPAW01618
CONTROLLING THOSE ABOVE YOU DATE: 76-99
AUTHOR(S): LANSFORD TYPE(S): AC PM CATEGORIES: S
SOURCE(S): LANSFORD COST: 89.95 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
HUMAN REL AND PSYCHOL ASPECTS PERSONNEL
REMARKS AND ABSTRACT:
ORDER NO. SR401C, 6 CASSETTES, 1 BOOKLET.
DISCUSSIONS ON HOW A SUBORDINATE CONTROLS HIS SUPERIORS. THE SUTHORS DISCUSS HOW THEY TRAINED KIDS TO MODIFY THEIR TEACHERS' BEHAVIOR AND ITS IMPLICATIONS TO SUCH RELATIONSHIPS AS STUDENT-TEACHER, CHILD-PARENT, ROOMMATE-ROOMMATE, HUSBAND-WIFE, AND EMPLOYEE-EMPLOYER.

EPAW01620
MF TEST FOR TOTAL COLIFORM DATE: 76-99
AUTHOR(S): MILLI TYPE(S): SL CATEGORIES: M
SOURCE(S): MILLI COST: 0.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MEMBRANE FILTRATION TOTAL COLIFORMS
REMARKS AND ABSTRACT:
(AVS-9)
DETAILS OF TEST PROCEDURES FOR TOTAL COLIFIRMS.

EPAW01621
MF TEST FOR FECAL COLIFORM DATE: 76-99
AUTHOR(S): MILLI TYPE(S): SL CATEGORIES: M
SOURCE(S): MILLI COST: 0.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
MEMBRANE FILTRATION FECAL COLIFORMS
REMARKS AND ABSTRACT:
(AVS-10)
DETAILS OF TEST PROCEDURE FOR FECAL COLIFORM TEST.

EPAW01623
ANALYSIS OF SOLIDS IN WATER DATE: 76-99
AUTHOR(S): MILLI TYPE(S): PM CATEGORIES: M
SOURCE(S): MILLI COST: 0.00 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
SUSPENDED MATTER
REMARKS AND ABSTRACT:
(AP306)
DETAILS OF TEST PROCEDURE FOR SOLIDS IN WATER.

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EPAW01626
         TOTAL COLIFORM ANALYSIS                                                                                DATE: 74-00
         AUTHOR(S): MILLI                                            TYPE(S): PM             CATEGORIES: M
         SOURCE(S): MILLI                COST:      0.00 P           LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           TOTAL COLIFORMS               MEMBRANE FILTRATION
         REMARKS AND ABSTRACT:
         AB311, 7PP.
         USING MEMBRANE FILTRATION, DESCRIBES SAMPLING AND LABORATORY PROCEDURES FOR COLIFORM TOTALS.  EQUIPMENT AND
         PROCEDURAL STEPS WELL ILLUSTRATED.
EPAW01627
         SUSPENDED SOLIDS ANALYSIS                                                                              DATE: 73-00
         AUTHOR(S): MILLI                                            TYPE(S): PM             CATEGORIES: M
         SOURCE(S): MILLI                COST:      0.00 P           LEVEL:   1              COPYRIGHT: C
         SUBJECT AREAS:
           SUSPENDED MATTER
         REMARKS AND ABSTRACT:
         RPT: AB312 (FORMERLY AP312), 4 PP.
         DESCRIBES LABORATORY PROCEDURES AND DATA EVALUATION REQUIREMENTS FOR SUSPENDED MATTER
         TEST USING FILTERS.  EQUIPMENT PHOTOS, TABLES, BIBL.
EPAW01628
         FECAL COLIFORM ANALYSIS                                                                                DATE: 74-00
         AUTHOR(S): MILLI                                            TYPE(S): PM             CATEGORIES: M
         SOURCE(S): MILLI                COST:      0.00 P           LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           FECAL COLIFORMS               MEMBRANE FILTRATION
         REMARKS AND ABSTRACT:
         RPT:  AB313 (FORMERLY AP 313), 5 PP.
         DESCRIBES USE OF MEMBRANE FILTERS IN FECAL COLIFORM ANALYSIS IN STEP-BY-STEP PROCEDURE.
         EQUIPMENT PHOTOS, TABLES, BIBL.
EPAW01629
         FIELD PROCEDURES IN WATER MICROBIOLOGY                                                                 DATE: 76-99
         AUTHOR(S): MILLI                                            TYPE(S): PM             CATEGORIES: M
         SOURCE(S): MILLI                COST:      0.00 R           LEVEL:   2              COPYRIGHT: C
         SUBJECT AREAS:
           MICROBIOLOGY                  ANALYTICAL TECHNIQUES
         REMARKS AND ABSTRACT:
         (AB314)
         DETAILS OF MICROBIOLOGICAL TEST PROCEDURES FOR WATER ANALYSIS.
```

EPAW01662
NEW CONCEPTS IN WATER PURIFICATION DATE: 74-00
AUTHOR(S): CULP G L CULP R L TYPE(S): PM CATEGORIES: T
SOURCE(S): VAN NOSTRA COST: 16.95 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
WATER TREATMENT PLANT CONSTRUCTION OPERATIONS (WATER) SEDIMENTATION
FILTRATION COAGULATION RESOURCE RECOVERY WATER TREATMENT PLANTS
REMARKS AND ABSTRACT:
306PP., 103 ILLUS.
SHOWS HOW TO USE ADVANCED TECHNIQUES FOR DESIGNING NEW TREATMENT PLANTS OR INCREASING THE CAPACITY AND PERFORMANCE OF EXISTING ONES. EXAMPLES IN FULL-SCALE USE OF THESE PROCEDURES, ENGINEERING DESIGN INFORMATION, AND ACTUAL PLANT OPERATING EXPERIENCES BRING YOU VITAL INFORMATION IN AREAS SUCH AS HIGH RATE (TUBE) SETTLING; ADVANCES IN COARSE-TO-FINE IN-DEPTH FILRATION; A FULLY AUTOMATIC METHOD FOR OPTIMIZING AND CONTROLLING COAGULANT DOSAGE; DISPOSING OR RECLAIMING OF WASTE WATER PLANT SLUDGES; ENSURING ADEQUATE & SUCCESSFUL DISINFECTION; REMOVING TOXIC HEAVY METALS FROM WATER SUPPLIES.

EPAW01710
COMMUNICATING WITH A GROUP DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): PM CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION INSTRUCTION PUBLIC SPEAKING
PUBLIC SPEAKING
REMARKS AND ABSTRACT:
16MM, 23 MIN., COLOR.
SHOWS HOW TO IMPROVE THE ABILITY OF SUPERVISORS, MANAGERS, AND SALESMEN TO COMMUNICATE WITH AND ADDRESS A GROUP. PROBLEMS SUCH AS NONPARTICIPATION, HECKLING, HANDING OUT AND COLLECTING AIDS, OVERCOMING OBJECTIONS TO TRAINING AND MAINTAINING INTEREST.

EPAW01711
CONFLICT DATE: 76-99
AUTHOR(S): ROUNDTABLE TYPE(S): MP CATEGORIES: M
SOURCE(S): ROUNDTABLE COST: 50.00 R LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
COMMUNICATION PERSONNEL MANAGEMENT
REMARKS AND ABSTRACT:
16MM, 34 MIN., COLOR.
A TWO-PART FILM DESIGNED TO DEVELOP AN AWARENESS AND UNDERSTANDING OF THE CAUSES AND CONSEQUENCES OF INTERPERSONAL CONFLICT. IT WILL HELP MANAGERS AND SUPERVISORS RECOGNIZE CONFLICT, WHILE IMPROVING THEIR ABILITY TO DEAL WITH, AND RESOLVE IT IN A VARIETY OF WAYS THAT WILL ELIMINATE WASTED EFFORT AND IMPROVE UNDERSTANDING AND JOB PERFORMANCE.

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EPAW01712
         CORRECT WAY OF CORRECTING                                                                          DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                      TYPE(S): PM             CATEGORIES: M
         SOURCE(S): ROUNDTABLE              COST:     50.00 R       LEVEL:    1             COPYRIGHT: C
         SUBJECT AREAS:
           HUMAN REL AND PSYCHOL ASPECTS COMMUNICATION
         REMARKS AND ABSTRACT:
         16MM, 24 MIN., COLOR; 48PP. LEADERS GUIDE.
         SHOWS POSITIVE TECHNIQUES FOR CORRECTION THAT WILL IMPROVE PERFORMANCE, COMMUNICATION AND UNDERSTANDING, AND
         LOWER EMPLOYEE TURNOVER.

EPAW01713
         COUNSEL INTERVIEW                                                                                  DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                      TYPE(S): MP             CATEGORIES: M
         SOURCE(S): ROUNDTABLE              COST:     50.00 R       LEVEL:    2             COPYRIGHT: C
         SUBJECT AREAS:
           SUPERVISION                  JOB ANALYSIS
         REMARKS AND ABSTRACT:
         16MM, 15 MIN., COLOR.
         ESTABLISHES SIX STEPS TO BETTER COUNSELING INTERVIEWS: DECIDING TO HOLD AN INTERVIEW, GETTING THE FACTS, AGREEING
         ON THE CAUSE OF THE PROBLEM, ALLOWING THE INTERVIEWEE TO SPEAK FOR HIMSELF, DECIDING ON A COURSE OF ACTION, AND
         ENDING WITH POSITIVE AGREEMENT.

EPAW01714
         DISCIPLINE INTERVIEW                                                                               DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                      TYPE(S): MP             CATEGORIES: M
         SOURCE(S): ROUNDTABLE              COST:     50.00 R       LEVEL:    2             COPYRIGHT: C
         SUBJECT AREAS:
           SUPERVISION                  COMMUNICATION
         REMARKS AND ABSTRACT:
         16MM, 16 MIN., COLOR.
         GIVES SUPERVISORS A PRACTICAL EXAMPLE OF HOW TO HANDLE THE DISCIPLINE INTERVIEW IN A WAY THAT WILL INCREASE
         PERFORMANCE, PRODUCTION, UNDERSTANDING AND COOPERATION.

EPAW01721
         REWARDS OF REWARDING                                                                               DATE: 76-99
         AUTHOR(S): ROUNDTABLE                                      TYPE(S): MP             CATEGORIES: M
         SOURCE(S): ROUNDTABLE              COST:     50.00 R       LEVEL:    1             COPYRIGHT: C
         SUBJECT AREAS:
           PERSONNEL                    HUMAN REL AND PSYCHOL ASPECTS INSTRUCTION                COMMUNICATION
         REMARKS AND ABSTRACT:
         16MM, 24 MIN., COLOR; 48PP. LEADERS GUIDE.
         SHOWS SOUND PSYCHOLOGICAL BEHAVIOR TECHNIQUES FOR IMPROVING PERSONNEL RELATIONS, DECREASING TURNOVER, IN-
         CREASING PRODUCTIVITY, AND CONTRIBUTING TO A SMOOTHER, MORE EFFICIENT RUNNING ORGANIZATION.
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EPAW01729
DETERMINATION OF CARBONACEOUS OXYGEN DEMAND DATE: 68-12
AUTHOR(S): POLLISON D P TYPE(S): PM CATEGORIES: T M
SOURCE(S): DRBC COST: 0.00 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
BIOCHEMICAL OXYGEN DEMAND GRAPHICAL METHODS MATHEMATICS MONITORING
SAMPLING
REMARKS AND ABSTRACT:
A BRIEF DISCUSSION IS PRESENTED OF THE FIRST ORDER EQUATION OF THE BIOCHEMICAL OXIDATION OF ORGANIC MATERIAL AND ITS SOLUTION FOR K1, THE DEOXYGENATION RATE CONSTANT, AND LA, THE CARBONACEOUS, OR FIRST STAGE OXYGEN DEMAND, WHICH IS THE TOTAL THEORETICAL DEMAND IF BIOCHEMICAL OXIDATION WERE CARRIED TO COMPLETION WITHOUT NITRIFICATION.

EPAW01757
MEASUREMENT OF PH DATE: 76-00
AUTHOR(S): RODWELL V W MILLER D L TYPE(S): AC PM SL CATEGORIES: M T
SOURCE(S): BECKMAN COST: 120.00 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
PH
REMARKS AND ABSTRACT:
PH-1; 45 SLIDES; 35 MINUTES.
PRIMARILY THEORETICAL; PRESENTS PRACTICAL EXAMPLES OF PH CALCULATIONS AND DISCUSSION OF KEY MATHEMATICAL EXPRESSIONS. PREVIOUS EXPERIENCE IN BASIC MATH AND CHEMISTRY IS RECOMMENDED.

EPAW01758
PRACTICAL PH DATE: 76-00
AUTHOR(S): WESTCOTT CC TYPE(S): AC PM SL CATEGORIES: M T
SOURCE(S): BECKMAN COST: 120.00 P LEVEL: 1 COPYRIGHT: C
SUBJECT AREAS:
PH
REMARKS AND ABSTRACT:
PH-2; 45 SLIDES; 44 MINUTES.
WRITTEN FOR THOSE WITH A LIMITED KNOWLEDGE OF PH; PRESENTS A REVIEW OF BASIC PH THEORY

EPAW01762
PH METER LABORATORY OPERATION DATE: 74-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
PH
REMARKS AND ABSTRACT:
UNIT: XT-69, 11 MIN TAPE, 50 SL, SCRIPT.
INTRODUCTION TO THE THEORETICAL CONCEPTS OF PH MEASUREMENT. DESIGNED TO BE SHOWN AS SUPPLEMENTAL INFORMATION FOR PLANT OPERATORS. SEQUENCE SHOWS SET-UP, CALIBRATION AND OPERATIONAL PROCEDURES FOR PORTABLE TYPE PH METER.

EPAW01765
DETERMINATION OF DISSOLVED OXYGEN POLAROGRAPHIC PROBE METHOD DATE: 74-00
AUTHOR(S): EPA TYPE(S): PM SL AC CATEGORIES: M
SOURCE(S): EPA2 COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
DISSOLVED OXYGEN INSTRUMENTATION (LABORATORY)
REMARKS AND ABSTRACT:
UNIT: XT-83,6 MIN TAPE, 30 SL, SCRIPT.
BASIC PROCEDURE FOR SET-UP, CALIBRATION AND USE OF YSL OXYGEN METER FOR THE DETERMINATION OF DISSOLVED OXYGEN IN A SAMPLE OF WASTEWATER TREATMENT PLANT EFFLUENT. DESIGNED TO BE SHOWN AS SUPPLEMENTAL INFORMATION FOR LABORATORY SESSION ON DISSOLVED OXYGEN MEASUREMENTS IN ENVIRONMENTAL MONITORING PROCEDURES COURSE.

EPAW01787
CHEMISTRY AND CONTROL OF MODERN CHLORINATION DATE: 73-00
AUTHOR(S): PALIN A T TYPE(S): PM CATEGORIES: M O T
SOURCE(S): LAMOTTE COST: 0.50 P LEVEL: 2 COPYRIGHT: C
SUBJECT AREAS:
AMMONIA BACTERIA CHEMICAL TREATMENT CHLORINATION
CHLORINE CHLORINE DEMAND CHLORINE RESIDUAL PUBLIC HEALTH
DISINFECTION CHEMICAL ANALYSIS OZONE PH
REMARKS AND ABSTRACT:
ORDER NO. 1597; 52PP.
DISCUSSES THE CHEMISTRY OF CHLORINATION, FORMS OF CHLORINE, BREAKPOINT REACTION AND THE IMPORTANCE OF FREE AVAILABLE CHLORINE AS AN ACTIVE GERMICIDE. CHLORINATION OF WASTEWATERS AND INDUSTRIAL WATERS IS INCLUDED. VARIOUS METHODS FOR DETERMINING FREE CHLORINE AND OTHER FORMS OF CHLORINE ARE ALSO COVERED.

EPAW01827
ENVIRONMENTAL EDUCATION GUIDE FOR ADMINISTRATORS DATE: 76-99
AUTHOR(S): IEE TYPE(S): PM CATEGORIES: E
SOURCE(S): IEE COST: 2.25 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
INSTRUCTION ENVIRONMENTAL CONTROL PUBLIC PARTICIPATION
REMARKS AND ABSTRACT:
THE ADMINISTRATOR'S PERSPECTIVE: FORMING A COMMITTEE, TRAINING TEACHERS, SPECIAL CONSIDERATIONS, COMMUNITY RELATIONS, INFORMATION SOURCES - ALL REQUISITES TO PLANNING. SEQUENTIAL STEPS IN DEVELOPING AN ENVIRONMENTAL PROGRAM LISTED AND CROSS-REFERENCED TO OTHER GUIDE IN THE SERIES.

EPAW01833
TESTING FOR FECAL COLIFORM DATE: 75-00
AUTHOR(S): IEE TYPE(S): FS AC PM CATEGORIES: M
SOURCE(S): IEE COST: 33.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
FECAL COLIFORMS FILTRATION MONITORING E COLI
WATER QUALITY E COLI
REMARKS AND ABSTRACT:
85 FRAME FILMSTRIP, TAPE CASSETTE, TEXT, AND PROCEDURES MANUAL. (SERIES M, UNIT 1)
INTRODUCES SIGNIFICANCE OF FECAL COLIFORM AS BIOLOGICAL INDICATOR OF WATER QUALITY. DEMONSTRATES FIELD SAMPLING LABORATORY MICROFILTRATION TECHNIQUE, INCUBATING, AND COLONY COUNTING. DEVELOPED ESPECIALLY FOR SECONDARY SCHOOLS AND COLLEGES IN MONITORING PROGRAMS.

EPAW01834
TESTING FOR DISSOLVED OXYGEN USING THE MODIFIED WINKLER METHOD DATE: 75-00
AUTHOR(S): IEE TYPE(S): FS AC PM CATEGORIES: M
SOURCE(S): IEE COST: 33.50 P LEVEL: 1 COPYRIGHT:
SUBJECT AREAS:
DISSOLVED OXYGEN SAMPLING OXYGEN
REMARKS AND ABSTRACT:
65 FRAME FILMSTRIP, TAPE CASSETTE, TEXT, REAGENTS AND PROCEDURES MANUAL. (SERIES H, UNIT 2)
INTRODUCES SIGNIFICANCE OF DISSOLVED OXYGEN AS INDICATOR OF WATER QUALITY. DEMONSTRATES FIELD SAMPLING AND LABORATORY PROCEDURE USING MODIFIED WINKLER. DEVELOPED ESPECIALLY FOR SECONDARY SCHOOLS AND COLLEGES IN MONITORING PROGRAMS.

EPAW01931
ENVIRONMENTAL POLLUTION AND CONTROL DATE: 75-00
AUTHOR(S): VESILIND P A TYPE(S): PM CATEGORIES: E
SOURCE(S): ANN ARBOR COST: 10.00 P LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
ENVIRONMENTAL CONTROL ENVIRONMENTAL EFFECTS WATER TREATMENT WATER QUALITY
PUBLIC EDUCATION
REMARKS AND ABSTRACT:
(CAT NO 0126), 232 PP, 95 FIGURES, 26 TABLES.
THIS TEXT WAS DEVELOPED FROM A POPULAR CLASS AT DUKE UNIVERSITY. IT HELPS NONTECHNICAL STUDENTS UNDERSTAND THE LANGUAGE AND IDEAS OF POLLUTION CONTROL. IT COVERS THE WHOLE FIELD OF AIR, WATER, SOLID WASTE, AND NOISE.

EPAW01998
UNIT PROCESSES WATER PLANT OPERATION DATE: 69-00
AUTHOR(S): HEW TYPE(S): PM CATEGORIES: T
SOURCE(S): AWWA COST: 0.00 R LEVEL: 2 COPYRIGHT:
SUBJECT AREAS:
DISTRIBUTION SYSTEMS COAGULATION FILTRATION WATER TREATMENT
MAINTENANCE (WATER) WATER TREATMENT PLANTS OPERATIONS (WATER)
REMARKS AND ABSTRACT:
(ORDER NO PM708).
THIS COURSE IS DESIGNED FOR ENGINEERS AND WATER PLANT OPERATORS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF MUNICIPAL FACILITIES.

EPAW02057
ENVIRONMENTAL SYSTEMS ENGINEERING DATE: 73-00
AUTHOR(S): RICH L G TYPE(S): PM CATEGORIES: D T
SOURCE(S): MCGRAW COST: 17.50 P LEVEL: 3 COPYRIGHT:
SUBJECT AREAS:
COMPUTERIZED SYSTEMS TERTIARY TREATMENT SECONDARY TREATMENT PRIMARY TREATMENT
ECOSYSTEMS WATER TREATMENT PLANTS SYSTEMS ANALYSIS AND MODELING SLUDGE TREATMENT
REMARKS AND ABSTRACT:
(CODE NO 052250-2), 448 PP.
USES A SYSTEMS APPROACH IN THE FORMULATION AND ANALYSIS OF ENVIRONMENTAL PHENOMENA, AS WELL AS IN THE SELECTION AND DESIGN OF ENGINEERING FACILITIES USED FOR CONTROLLING THE ENVIRONMENT. FOCUSES ON THE SYSTEM AS A WHOLE AND HOW ITS COMPONENTS INTERACT, RATHER THAN ON THE COMPONENTS THEMSELVES. THE MATHEMATICS OF SYSTEMS ANALYSIS AND COMPUTER SOLUTIONS IS USED EXTENSIVELY. DESIGNED FOR A TWO-SEMESTER COURSE IN ENVIRONMENTAL SYSTEMS ENGINEERING, IT CAN EASILY BE ADAPTED TO SEVERAL TYPES OF SINGLE SEMESTER COURSES, EACH WITH A DIFFERENT EMPHASIS.

```
EPAW02612                                                                                                                DATE: 76-06
         BIOLOGICAL CONTROL OF WATER POLLUTION
         AUTHOR(S): TOUBIER J              PIERSON R W           TYPE(S): PM             CATEGORIES: T
         SOURCE(S): UNIV PA                COST:     20.00 P     LEVEL:    3             COPYRIGHT:
         SUBJECT AREAS:
           BIOLOGICAL TREATMENT
         REMARKS AND ABSTRACT:
         (OSBN 0-8122-7709-0)(LC 76-8593)
         CONTAINS CHAPTERS ON: 1) A RATIONALE FOR THE BIOLOGICAL APPROACH; 2) LIMNOLOGYICAL OVERVIEW; 3) DRINKING WATER
         PROBLEMS; 4) BIOLOGICAL TREATMENT OF WASTEWATER; 5) BIOLOGICAL TREATMENT AND AQUIFER RECHARGE; 6) IMPLEMENTATION OF
         ALTERNATIVES.
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Listing by Volume and Module

INTRODUCTION TO ENVIRONMENTAL TECHNOLOGY* (Volume I)

Module 1 Natural Processes and Man's Activities

106 107 141 147 148 151 153 155 156 157 158 159 160 163
165 168 171 179 180 181 182 191 389 400 401 402 403 409
434 435 436 481 482 485 486 487 508 511 593 594 595 596
631 727 730 737 750 751 753 761 772 773 775 794 802 804
806 1007* 1008 1009 1010 1037 1043 1044 1045 1046 1047 1048 1050 1051
1053 1057 1062 1067 1068 1071 1072 1073 1085 1086 1094 1095 1097 1106
1107 1117 1119 1120 1121 1122

Module 2 Man's Effect on the Environment

8 12 106 145 146 147 148 151 153 157 160 162 164 165
166 168 169 170 174 175 176 177 178 182 186 187 193 194
195 416 428 480 490 492 494 508 511 558 667 691 695 731
732 733 734 735 739 754 756 776 777 784 785 796 807 812
814 815 817 818 819 1000 1001* 1002 1003 1004 1011 1013 1014 1015
1016 1017 1018 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030
1031 1032 1033 1034 1036 1038 1039 1056 1057 1058 1059 1060 1067 1069
1070 1071 1072 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084
1085 1086 1087 1088 1089 1090 1093 1097 1098 1113 1114 1119 1120 1121
1122

Module 3 Harmful Effects of Particular Waste Characteristics

141 146 147 148 153 157 160 164 166 168 169 170 173 175
176 178 182 183 184 480 481 508 511 642 691 695 731 732
733 734 735 739 747 748 754 756 776 785 797 799 801 807
1000 1001* 1002 1003 1004 1012 1013 1014 1015 1016 1017 1018 1021 1022
1023 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1038 1039
1040 1041 1042 1056 1057 1058 1059 1060 1061 1063 1064 1065 1066 1067
1069 1070 1071 1072 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083
1084 1085 1086 1087 1089 1090 1094 1095 1097 1098 1099 1100 1101 1102
1103 1104 1105 1106 1108 1109 1110 1111 1112 1115 1116 1119 1120 1121
1122 1123

Module 4 Effects of Waste Disposal Practices on the Environment

141 146 147 148 151 153 164 165 166 168 169 170 173 175
176 178 182 183 184 494 508 511 731 732 733 734 735 739
754 756 776 785 795 797 799 801 1000 1001* 1002 1003 1004 1013

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*The resources from 1001 to 1123 in *Introduction to Environmental Technology* are not keyed to the numerical listing on page 3. They are explained on pages 37 to 45 in *Introduction to Environmental Technology*.

1014 1015 1016 1017 1018 1021 1022 1023 1026 1027 1028 1029 1030 1031
1032 1033 1034 1036 1039 1056 1057 1058 1059 1060 1067 1069 1070 1071
1072 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086
1087 1088 1089 1090 1097 1098 1108 1119 1120 1121 1122

Module 5 Waste Treatment Methods
3 120 122 125 132 133 139 140 141 150 412 414 430 455
464 491 508 511 535 572 573 770 778 779 783 797 799 801
803 821 827 1000 1001* 1002 1003 1004 1005 1006 1018 1019 1049 1052
1053 1054 1067 1088 1091 1092 1093 1096 1097 1098 1108 1119 1120 1121
1122

Module 6 The Cost of Inadequate Waste Disposal to Mankind
8 12 146 147 148 153 160 168 169 170 173 175 176 178
182 183 184 428 508 511 1000 1002* 1003 1004 1005 1006 1013 1014
1015 1016 1017 1018 1021 1022 1023 1026 1027 1028 1029 1030 1031 1032
1033 1034 1036 1039 1055 1056 1057 1058 1059 1060 1067 1069 1070 1071
1072 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086
1087 1088 1089 1090 1097 1098

Module 7 The Wastewater Treatment Plant
141 455 508 511 535 770 821 827 1067*

PLANT OPERATIONS FOR WASTEWATER FACILITIES (Volume II Part A)

Module 1 Collection
3 116 120 121 125 141 143 144 307 308 309 316 317 320
321 324 421 459 511 551 552 553 554 937 990 1033 1034 1318
1399

Module 2 Chlorination
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 472 489 511 543 551 552 553 554 700 702 851
937 966 967 968 969 970 972 974 975 976 977 978 979 980
984 985 990 1033 1034 1399 1408

Module 3 Screening and Grinding
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

Module 4 Grit Removal
3 116 120 125 141 143 144 202 203 219 220 221 222 223
224 307 308 309 316 317 320 321 324 421 459 511 551 552
553 554 937 990 1033 1034 1399

Module 5 Primary sedimentation
3 116 120 125 141 143 144 202 203 219 220 221 222 223
224 307 308 309 316 317 320 321 324 421 459 511 551 552
553 554 937 990 1033 1034 1399

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*The resources from 1001 to 1123 in *Introduction to Environmental Technology* are not keyed to the numerical listing on page 3. They are explained on pages 37 to 45 in *Introduction to Environmental Technology*.

PLANT OPERATIONS FOR WASTEWATER FACILITIES (Volume II Part B)

Module 6 Trickling Filtration
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

Module 7 Aeration
3 116 120 125 141 143 144 206 207 208 307 308 309 316
317 320 321 324 421 459 511 544 545 546 547 551 552 553
554 586 903 904 937 990 1033 1034 1089 1399

Module 8 Secondary Sedimentation
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

Module 9 Pond Stabilization
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

PLANT OPERATIONS FOR WASTEWATER FACILITIES (Volume II Part C)

Module 10 Thickening
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

Module 11 First Stage Digestion
3 116 120 125 126 141 143 144 185 307 308 309 314 315
316 317 320 321 324 421 459 511 551 552 553 554 937 990
1033 1034 1399

Module 12 Second Stage Digestion
3 116 120 125 126 141 143 144 185 307 308 309 314 315
316 317 320 321 324 421 459 511 551 552 553 554 937 990
1033 1034 1399

Module 13 Sludge Conditioning
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

PLANT OPERATIONS FOR WASTEWATER FACILITIES (Volume II Part D)

Module 14a Sludge Dewatering
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

Module 14b Sludge Dewatering
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

Module 15 Solids Disposal
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 549 551 552 553 554 937 990 1033 1034 1399

Module 16 Effluent Disposal
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 549 551 552 553 554 937 990 1033 1034 1399

PLANT OPERATIONS FOR WASTEWATER FACILITIES (Volume II Part E)

Module 17 Flow Measurement
3 116 120 125 141 143 144 215 216 217 218 307 308 309
316 317 320 321 324 421 459 511 551 552 553 554 937 990
1033 1034 1399

Module 18 Pumping and Piping
3 116 120 125 141 143 144 196 197 209 271 272 307 308
309 316 317 320 321 324 421 459 511 551 552 553 554 937
990 1033 1034 1399

Module 19 Electric Power
3 116 120 125 141 143 144 212 213 307 308 309 312 313
316 317 320 321 324 421 459 511 551 552 553 554 937 990
1033 1034 1399

Module 20 Gas Power
3 116 120 125 141 143 144 307 308 309 316 317 320 321
324 421 459 511 551 552 553 554 937 990 1033 1034 1399

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part A)

Module A Standard References
4 956 2560 2612

Module B The National Pollutant Discharge Elimination System
1289 2610 2611 2726

Module C Safety
225 387 465 636 833 866 938 939 940 942 951 952 1033 1034
1123 1124 1125 1126 1127 1128 1326 1336 1342 1370 1433 1461 1473 1511
1594

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part B)

Module 1 Acidity
225 387 465 833 866 1033 1034 1125 1326 1336 1370 1461 1473

Module 2 Alkalinity
225 387 413 465 466 488 833 866 1027 1033 1034 1079 1125 1326
1336 1370 1461 1473

Module 3 Chloride
225 387 465 700 702 833 866 1033 1034 1079 1125 1326 1336 1370
1461 1473

Module 4 pH
142 225 387 465 488 577 578 833 866 1027 1033 1034 1063 1076
1079 1080 1125 1326 1336 1370 1461 1473 1512 1513 1757 1758 1762

Module 5 Temperature
225 387 465 833 866 1033 1034 1125 1326 1336 1370 1461 1473

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part C)

Module 6 Biochemical Oxygen Demand
49 50 51 142 225 387 465 587 588 833 852 866 1033 1034
1125 1326 1336 1348 1370 1461 1473

Module 7 Chemical Oxygen Demand
225 387 465 539 557 833 866 1033 1034 1125 1326 1336 1370 1461
1473 1729

Module 8 Chlorine Requirement
48 142 225 387 465 472 489 556 590 700 702 787 833 866
1033 1034 1078 1079 1125 1326 1336 1370 1461 1473 1513

Module 9 Dissolved Oxygen
142 225 387 465 488 540 585 709 833 866 1024 1033 1034 1125
1326 1336 1370 1413 1461 1473 1765 1834

Module 10 Fecal Coliform
225 387 426 437 465 574 589 833 866 1014 1033 1034 1125 1325
1326 1336 1352 1364 1370 1414 1415 1461 1473 1620 1621 1626 1628 1629
1833

Module 11 Total Residual Chlorine
142 225 387 465 472 488 489 556 576 700 702 833 866 1033
1034 1078 1079 1125 1326 1336 1370 1461 1473 1513 1787

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part D)

Module 12 Color
225 387 465 833 866 1033 1034 1078 1125 1326 1336 1370 1461 1473

Module 13 Grease
225 387 465 601 602 833 866 901 1033 1034 1125 1326 1336 1370
1461 1473

Module 14 Specific Conductance
225 387 465 833 866 1033 1034 1125 1326 1336 1370 1461 1473

Module 15 Turbidity
225 387 465 833 866 1033 1034 1078 1125 1326 1336 1370 1461 1473

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part E)

Module 16 Ammonia Nitrogen
225 387 465 467 488 833 866 1025 1033 1034 1079 1125 1326 1336
1370 1461 1473

Module 17 Kjeldahl Nitrogen
225 387 465 833 866 1025 1033 1034 1125 1326 1336 1370 1461 1473

Module 18 Nitrate Nitrogen
48 225 387 465 833 866 1025 1033 1034 1079 1125 1326 1336 1370 1461 1473

Module 19 Nitrite Nitrogen
225 387 465 833 866 1025 1033 1034 1125 1326 1336 1370 1461 1473

Module 20 Orthophosphate
225 387 465 488 542 833 866 1033 1034 1125 1326 1336 1370 1461 1473

Module 21 Total Phosphorus
225 387 465 488 542 833 850 866 1025 1033 1034 1079 1125 1326 1336 1370 1461 1473

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part F)

Module 22 Settleable Matter
225 387 465 579 833 866 1033 1034 1125 1326 1336 1346 1370 1461 1473

Module 23 Total Solids
225 387 465 580 581 833 866 1033 1034 1125 1326 1336 1370 1461 1473 1623

Module 24 Total Dissolved Solids
225 387 465 833 866 1033 1034 1079 1125 1326 1336 1370 1461 1473 1623

Module 25 Total Suspended Solids
142 225 387 465 582 583 833 866 902 1033 1034 1125 1326 1336 1345 1370 1461 1473 1623 1627

Module 26 Total Volatile Solids
225 387 465 833 866 1033 1034 1125 1326 1336 1370 1461 1473 1623

LABORATORY CONTROL FOR WASTEWATER FACILITIES (Volume III Part G)

Module 27 Characteristics of Activated Sludge
225 387 465 545 546 547 584 833 866 1033 1034 1125 1326 1336 1370 1461 1473

Module 28 Sludge Conditioning
225 387 465 591 833 866 1033 1034 1125 1326 1336 1370 1461 1473

Module 29 Sludge Digester Gas
225 387 465 833 866 1033 1034 1125 1326 1336 1370 1461 1473

MANAGEMENT AND SUPERVISION PROCEDURES FOR WASTEWATER FACILITIES (Volume IV)

Module 1 Preparing Purchase and Service Orders
108 281 363 365 1520

Module 2 Ordering Consumable Supplies
108 281 363 365 1220 1520

Module 3 Preparing Daily and Monthly Reports
108 281 381 399 1226 1583

Module 4 Preparing Annual Reports
108 281 381 399 1226 1583

Module 5 Preparing Annual Budgets
108 281 360 385 399 1220 1226

Module 6 Interviewing Prospective Employees
108 109 281 337 338 352 358 1191 1519

Module 7 Orienting New Employees
108 109 281 337 338 352 1191 1519

Module 8 Disciplining Employees
108 109 281 328 329 337 338 340 352 390 1072 1073 1172 1187
1191 1229 1519 1528 1533 1612 1615 1711 1712 1713 1714

Module 9 Dismissing Employees
108 109 281 328 329 337 338 340 352 390 540 544 1072 1073
1172 1187 1191 1229 1519 1528 1533 1612 1615 1711 1712 1713 1714

Module 10 Encouraging Professional Development
108 109 281 328 329 330 331 334 336 337 338 340 341 342
351 352 376 377 384 390 1072 1073 1128 1171 1172 1176 1178 1181
1186 1187 1189 1190 1191 1195 1196 1197 1200 1204 1205 1207 1225 1229
1382 1514 1515 1516 1518 1519 1521 1525 1528 1529 1534 1535 1612 1615
1616 1617 1628 1711 1712 1713

Module 11 Staffing the Treatment Plant
108 109 281 348 1384 1390 1391 1392

Module 12 Rewarding Employee Performance
108 109 281 328 329 331 337 338 390 1072 1176 1191 1203 1204
1216 1519 1525 1612 1721

Module 13 Handling Emergencies
108 110 281 392 395 397 640 1125 1396 1397 1462 1468 1476 1477
1478 1482 1483 1484 1485 1486 1487 1488 1489 1561

Module 14 Maintaining Daily Operational Control
108 143 281 1372 1383 1386 1387

Module 15 Recommending Capital Improvements
108 281 346 368 369 374 385 823 824 1220 1386 1520 1567 1582

Module 16 Explaining Operations to Citizens
108 281 347 378 382 383 1169 1173 1179 1208 1222 1425 1517 1522
1523 1527 1531 1613 1614 1710

Module 17 Responding to Complaints
108 281 417 1174 1194 1531

Module 18 Seeking Support for Increased Funding
108 281 382 385 813 823 1188 1201 1220 1520 1523 1531 1582

Module 19 Promoting the Treatment Plant Image
108 281 332 333 345 375 813 1177 1188 1202 1531 1609 1614 1618 1827

PROCESS INTERACTION FOR WASTEWATER FACILITIES (Volume V)

Module 1 Treatment Provided by Process Units
122 125 141 459 857 886 1931 2057

Module 2 Effects of Industrial Wastes on Operations
122 125 141 459 857 886 2057

Module 3 Relationship of Process Units
122 125 141 459 857 866 1931 2057

Module 4 Development of Flow Diagrams
122 125 141 459 857 886 2057

ADVANCED WASTE TREATMENT (Volume VI)

Module 1 Function of Water Treatment Processes
6 8 460 469 857 866 1931 1998 2057

Module 2 Principal Water Treatment Operational Characteristics
6 8 460 469 857 886 1931 1998 2057

Module 3 Function of Advanced Wastewater Treatment Processes
838 857 886 1260 1662 2057

Module 4 Principal Advanced Wastewater Treatment Operational Characteristics
838 857 886 1260 1662 2057

Module 5 Removal Efficiencies
13 460 838 857 886 1260 1662 2057

Module 6 Comparison of Treatment Processes
13 460 838 857 886 1260 2057

Source Codes

This list explains the abbreviations for the sources in the numerical resource list on page 3.

AAVIM -- AMER ASSOCIATION FOR
VOCATIONAL INSTRU MATERIALS
ENGINEERING CENTER
ATHENS, GA 30602

ACADEMIC -- ACADEMIC PRESS
111 FIFTH AVE
NEW YORK, NY 10003

ACI FILMS -- ACI FILMS INC
35 WEST 45TH STREET
NEW YORK NY 10036

ACPPA -- AMER CONCRETE PRESSURE
PIPE ASSOCIATION
1501 WILSON BLVD
ARLINGTON, VA 22209

ACS -- AMER CHEMICAL SOCIETY
SPECIAL ISSUES SALES
1155 16TH STREET NW
WASHINGTON, DC 20036

ADDISON -- ADDISON WESLEY PUBL CO
READING, MA 01867

AEEP -- AEEP
C/O DR. JOE MALINA
305 ENGINEERING BLDG.
AUSTIN, TX 78712

AETNA -- AETNA LIFE AND CASUALTY
PUBLIC REL ADVER DEPT FILMS
151 FARMINGTON AVE
HARTFORD, CT 06115

AICHE -- AMER INSTITUTE OF
CHEMICAL ENGINEERS
345 EAST 47TH STREET
NEW YORK, NY 10017

AIM -- ASSOCIATED INSTRUCTIONAL
MATERIALS
915 NW 19TH AVE
PORTLAND, OR 97209

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
600 GRAND AVE
RIDGEFIELD, NJ 07657

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
25358 CYPRESS AVE
HAYWARD, CA 94544

AIM -- ASSOCIATED INSTRUCTIONAL
MATERIALS
512 BURLINGTON AVE
LA GRANGE, IL 60525

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
6420 WEST LAKE ST
MINNEAPOLIS, MN 55426

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
8615 DIRECTORS ROW
DALLAS, TX 75247

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
410 GREAT ROAD
LITTLETON, MA 01460

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
2221 S OLIVE STREET
LOS ANGELES, CA 90007

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
324 DELAWARE AVE
OAKMONT, PA 15139

-- ASSOCIATED INSTRUCTIONAL
MATERIALS
5757 NEW PEACHTREE RD
ATLANTA, GA 30340

AIT -- AGENCY FOR INSTRUCTIONAL
TELEVISION
BOX A
BLOOMINGTON, IN 47401

AL BEH -- AL DEPT OF PUBLIC HEALTH
BUR OF ENVIRONMENTAL HEALTH
STATE OFFICE BLDG
MONTGOMERY, AL 36130

ALLIED -- ALLIED PRODUCTS CO
P O BOX 20847
ATLANTA, GA 30320

AMER DYE -- AMER DYE MANUFACT INST INC
1 EAST 57TH STREET
NEW YORK, NY 10022

AMJ PUBL -- A M J PUBLISHING CO
BOX 847
TARZANA, CA 91356

ANN ARBOR -- ANN ARBOR SCIENCE PUBLISHERS
PO BOX 1425
ANN ARBOR, MI 48106

APHA -- AMER PUBLIC HEALTH ASSOC
BOOK SERVICE
1015 18TH STREET NW
WASHINGTON, DC 20036

API -- AMER PAPER INSTITUTE
260 MADISON AVENUE
NEW YORK, NY 10016

APPLETON -- APPLETON CENTURY CROFTS
MEDICAL/NURSING PUB, DEPT SK
292 MADISON AVE
NEW YORK, NY 10017

APWA -- AMERICAN PUBLIC WORKS ASSN
1313 EAST 60TH ST
CHICAGO, ILL 60637

ARIZONA U -- UNIV OF ARIZONA PRESS
TUCSON
ARIZONA 85721

ARMY -- USA COMMANDING GENERAL
FIRST U.S. ARMY
FT. GEO. G. MEADE, MD 207

ARNO PRESS -- ARNO PRESS
A NEW YORK TIMES CO
3 PARK AVE
NEW YORK, NY 10016

ASCE -- AMER SOC OF CIVIL ENGINEERS
PUBLICATION SERVICES DEPT
345 EAST 47TH STREET
NEW YORK, NY 10017

ASPO -- AMER SOCIETY OF
PLANNING OFFICIALS
CHICAGO
ILLINOIS 60607

ASSC STERL -- ASSOCIATION STERLING FILMS
P.O. BOX 273
OAKMONT, PA 15139

ASSOC FILM -- ASSOCIATED FILMS INC
600 GRAND AVE
RIDGEFIELD, NJ 07657

ASTM -- AMER SOCIETY FOR TESTING
AND MATERIALS
1916 RACE STREET
PHILADELPHIA, PA 19103

ATS -- AMER TECHNICAL SOCIETY
5608 STONY ISLAND AVE
CHICAGO, IL 60637

AWARE -- ASSOCIATED WATER & AIR
RESOURCES ENGINEERS INC
ENVIRO PRESS BX 40284
NASHVILLE, TN 37204

AWRA -- AMERICAN WATER RESOURCES ASSN
ST ANTHONY FALLS HYDRAULIC LAB
MISS RIV AT 3RD AVE SE
MINNEAPOLIS, MN 55414

AWWA -- AMER WATER WORKS ASSOC
6666 WEST QUINCY AVE
DENVER, CO 80235

BADGER -- BADGER METER COMPANY
4545 W BROWN DEER RD
MILWAUKEE, WI 53223

BALLINGER-- BALLINGER PUBLISHING CO
17 DUNSTER ST
CAMBRIDGE, MA 02138

BBP -- BBP
24 ROPE FERRY RD.
WATERFORD, CONN

BECKMAN -- BECKMAN INSTRUMENTS INC
SCIENCE ESSENTIALS OPERATIONS
P. O. 6100
ANAHEIM, CA 92608

BFA -- BFA EDUCATIONAL MEDIA
2211 MICHIGAN AVENUE
SANTA MONICA, CA 90404

BIF -- BIF - A UNIT OF
GENERAL SIGNAL
P O BOX 217
W WARWICK, RI 02893

BOCES -- BOARD OF COOP EDUC SERVICES
EDUCATION COMMUNICATIONS CTR
6820 THOMPSON RD
SYRACUSE, NY 13211

BOYD -- BOYD FILM COMPANY
1569 SELBY AVENUE
ST. PAUL, MN 55104

BP NORTH -- BP NORTH AMERICA INC
620 5TH AVENUE
NEW YORK, NY 10020

BRIT INFO -- BRITISH INFORMATION SERVICES
845 THIRD AVENUE
NEW YORK, NY 10022

BRITANNICA-- ENCYCLOPEDIA BRITANNICA
EDUCATION CORP.
425 N MICHIGAN AVENUE
CHICAGO, IL 60611

BROOKINGS -- BROOKINGS INSTITUTE
1775 MASS. AVE NW
WASHINGTON, DC 20036

BROWN -- BROWN COMPANY PUBL
2460 KERPER BLVD.
DUBUQUE, IA 52001

BROWN DEER-- BROWN DEER CHEMICAL CO
P O BOX 23403
BROWN DEER, WISC 53223

BURGESS -- BURGESS PUBLISHING CO
7108 OHMS LANE
MINNEAPOLIS, MN 55435

BURNS -- BURNS AND MCDONNELL
ENGINEERING CO
P.O. BOX 173
KANSAS CITY, MO 64141

CA DWR -- CA DEPT OF WATER RESOURCES
GRAPHIC SERVICE
P.O.BOX 388
SACRAMENTO, CA 95802

CA WPCA -- CA WATER POLLUTION CONTROL
ASSOCIATION
127 N MADISON AVE #304
PASADENA, CA 91101

CA WRCB -- STATE WATER RESOURCES CONTROL
BOARD
1416 NINTH STREET
SACRAMENTO, CA 95814

CAN AUDIO-- AUDIO ARCHIVES OF CANADA
250 MERTON ST
TORONTO ONTARIO
M4F 1B1 CANADA

CAN GE -- CANADIAN GENERAL ELECTRIC
FILM LIBRARY
214 KING STREET WEST
TORONTO,ONTARIO,CANADA

CAN IND -- CANADIAN INDUSTRIES LTD
FILM LIBRARY
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CAN NFBC -- NATL FILM BOARD OF CAN
1251 AVENUE OF THE AMER.
NEW YORK, NY 10020

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Performance Objectives

When the treatment plant operators, educators, consultants and representatives from professional water pollution control organizations came together to develop an effective instructional program, they recommended the use of performance or behavioral objectives because such objectives clearly outline:

1. What the student is expected to do as a result of the instructional program.
2. The conditions under which the student shall do it.
3. The standard of performance.

COMPOSITE MODEL PLANT

First, they developed a composite model plant (CMP) of twenty-two process units which is really many wastewater treatment plants in one model. Such a mix of process units seldom occurs in a treatment plant, but if a student becomes competent in the operation and management of the CMP he should be able to perform successfully in any treatment plant.

TASK ANALYSIS

Next, to ensure that the materials were specifically tailored to what the operator does on the job, a task analysis was conducted. They found that the tasks which an operator performs fell into seven general categories which were further divided into 37 tasks or general behaviors. (See figure 1, page 182.) The tasks were organized under:

1. Normal Operation Procedures. These include routine operating activities that do not vary significantly from day to day and that are designed to keep the plant functioning within a normal range of values. For example, the employee conducts routine samplings of the primary sludge and inspects pumping equipment and the wastestream to verify that the process is functioning properly.

2. Abnormal Operation Procedures. These include activities of the plant employee that result from unusual and undesirable conditions of the wastestream. The abnormal procedures enable the plant employee to recognize when the wastestream is abnormal and to return it to an acceptable, normal condition. An abnormal wastestream results when a normal operation procedure is not properly applied, a corrective maintenance procedure is needed or management/supervisory procedures are poor. For example, the plant employee should recognize that a black septic primary sludge sample is an abnormal condition of the wastestream and take appropriate action.

3. Preventive Maintenance Procedures. These include routine maintenance activities of the plant employee which prevent major equipment breakdown and subsequent corrective maintenance. For example, the employee would lubricate bearings and other moving parts, replace worn components and adjust components of the primary sludge pumps.

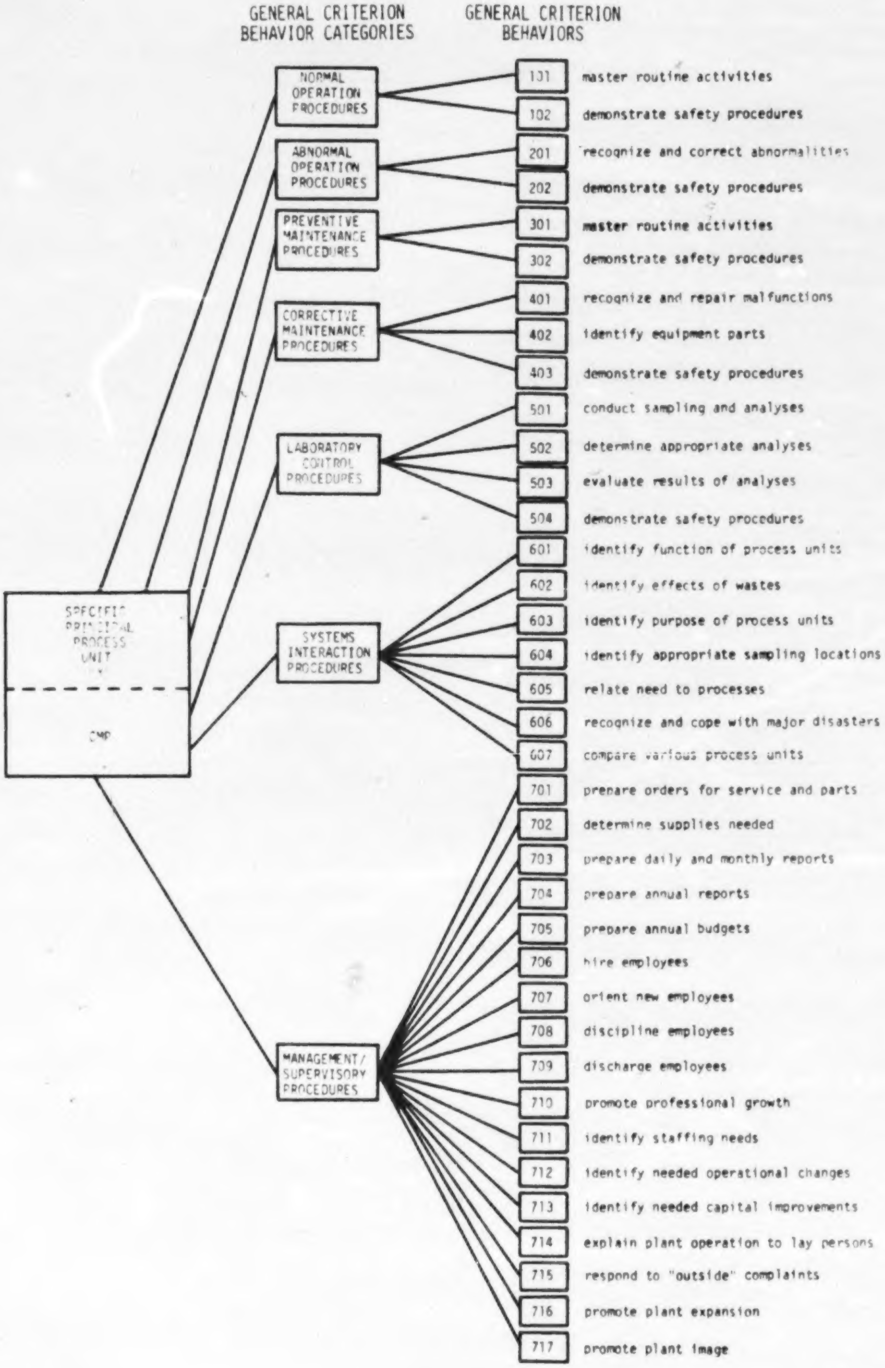

GENERAL CRITERION BEHAVIOR CATEGORIES
GENERAL CRITERION BEHAVIORS
NORMAL OPERATION PROCEDURES
ABNORMAL OPERATION PROCEDURES
PREVENTIVE MAINTENANCE PROCEDURES
CORRECTIVE MAINTENANCE PROCEDURES
LABORATORY CONTROL PROCEDURES
SYSTEMS INTERACTION PROCEDURES
MANAGEMENT/ SUPERVISORY PROCEDURES
SPECIFIC PRINCIPAL PROCESS UNIT
CMP
101 master routine activities
102 demonstrate safety procedures
201 recognize and correct abnormalities
202 demonstrate safety procedures
301 master routine activities
302 demonstrate safety procedures
401 recognize and repair malfunctions
402 identify equipment parts
403 demonstrate safety procedures
501 conduct sampling and analyses
502 determine appropriate analyses
503 evaluate results of analyses
504 demonstrate safety procedures
601 identify function of process units
602 identify effects of wastes
603 identify purpose of process units
604 identify appropriate sampling locations
605 relate need to processes
606 recognize and cope with major disasters
607 compare various process units
701 prepare orders for service and parts
702 determine supplies needed
703 prepare daily and monthly reports
704 prepare annual reports
705 prepare annual budgets
706 hire employees
707 orient new employees
708 discipline employees
709 discharge employees
710 promote professional growth
711 identify staffing needs
712 identify needed operational changes
713 identify needed capital improvements
714 explain plant operation to lay persons
715 respond to "outside" complaints
716 promote plant expansion
717 promote plant image

Figure 1: Relationship of general criterion behaviors (performance objectives) to the general categories and composite model plant (CMP).

4. Corrective Maintenance Procedures. These include maintenance activities of the plant employee that usually result from the breakdown or malfunction of a unit of equipment or a component. For example, the employee would notice whether the primary sludge pump is malfunctioning and know when and how to correct the disorder or when and how to refer the problem to plant maintenance personnel.

5. Laboratory Control Procedures. These include special and routine activities relating to laboratory analysis, the specification of sampling procedures and locations and the general management of the laboratory facilities. For example, the employee would collect primary sludge samples and conduct the analyses.

6. Systems Interaction Procedures. These include activities of the plant employee which relate the functioning of specific units of equipment to other process units and to the system as a whole. For example, the employee would determine how the effective functioning of the primary sludge pumps relates to digester performance.

7. Management/Supervisory Procedures. These include activities relating to employment practices, record keeping, plant operation policy and the establishment of a constructive and realistic rapport between the plant and the community it serves. For example, the employee would keep records on primary sludge pumping, keep an inventory of spare parts and evaluate the adequacy of maintenance procedures by shift personnel.

CURRICULUM DESIGN

After deciding what process equipment an operator must operate and maintain, and finding out what an operator does through the task analysis, they listed the objectives a student must master to successfully operate and manage a treatment plant. For example, the student will describe and perform the normal inspection procedure for the primary sedimentation unit including frequency of inspection, conditions to look for and the actions he should take.

INSTRUCTOR'S GUIDES

The next step was the design of manuals to guide the instructor. In the guides varied learning activities and imaginative innovations which produce more learning than traditional teaching methods are emphasized. The instructional suggestions do not need to be followed slavishly, but should be modified and improved as much as possible.

The instructor's goal is to achieve the objectives of the curriculum by selecting activities which suit the student's needs and help him to master all the information and skills in the course. The most effective learning occurs when the student is a participant in the learning process, not a spectator.

An instructor should use learning activities which approximate the situations which the student will meet *in the treatment plant*. If it is not possible to teach in a treatment plant, *simulated situations* should be set up in the workshop or classroom so that the student can solve rather than discuss problems. *Group discussion* stimulated by *visual materials* is an effective learning technique. Lecturing, however, is inefficient. Because the student is not actively involved during a lecture, the instructor should use lectures sparingly.

Using the Two-Year Program

The unusual feature of the two-year program is that it has many additional applications. It's designed so that no matter what your training needs are you can find your solution in these materials. And you don't even need to be an instructor to benefit.

Operators can find out what they need to learn to advance in their field. They can use the materials to strengthen skills they have forgotten or to learn how to operate more sophisticated plants and processes.

Instructors can plan courses especially tailored to the needs of their students. Students can be expected to master those skills which are new and can omit those which they have mastered previously.

Managers can plan on-the-job training and review programs for their employees.

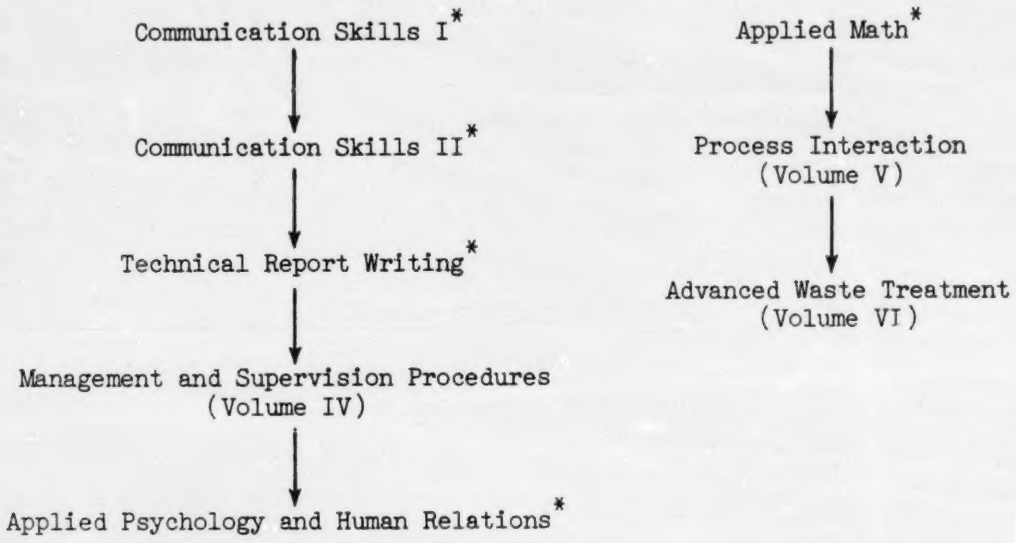
Curricula planners can plan a wastewater technology program from the beginning and can locate resource materials to implement the program.

Curriculum developers will find that these instructor's guides set forth a clear, logical progression of objectives based on task analyses of treatment plant operators' daily job responsibilities. They set forth a learning procedure which speaks for itself.

Examination developers can establish objectives for certification and can be assured that the performances will effectively determine whether the student has met the objective.

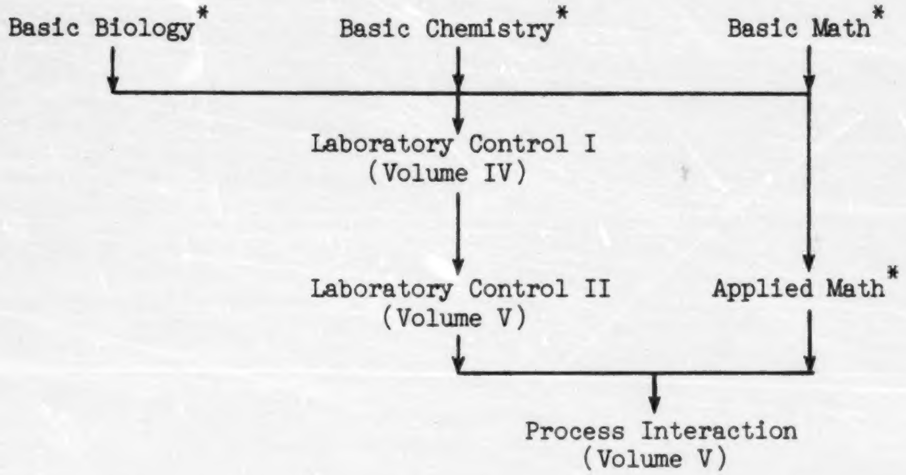
The study programs which follow illustrate the program's flexibility. The instructor's guides used for each course are identified by volume number.

STUDY PROGRAM FOR AN OPERATOR WITH OPERATIONS SKILLS PREPARING FOR A SUPERVISORY POSITION


Communication Skills I*
Communication Skills II*
Technical Report Writing*
Management and Supervision Procedures (Volume IV)
Applied Psychology and Human Relations*
Applied Math*
Process Interaction (Volume V)
Advanced Waste Treatment (Volume VI)

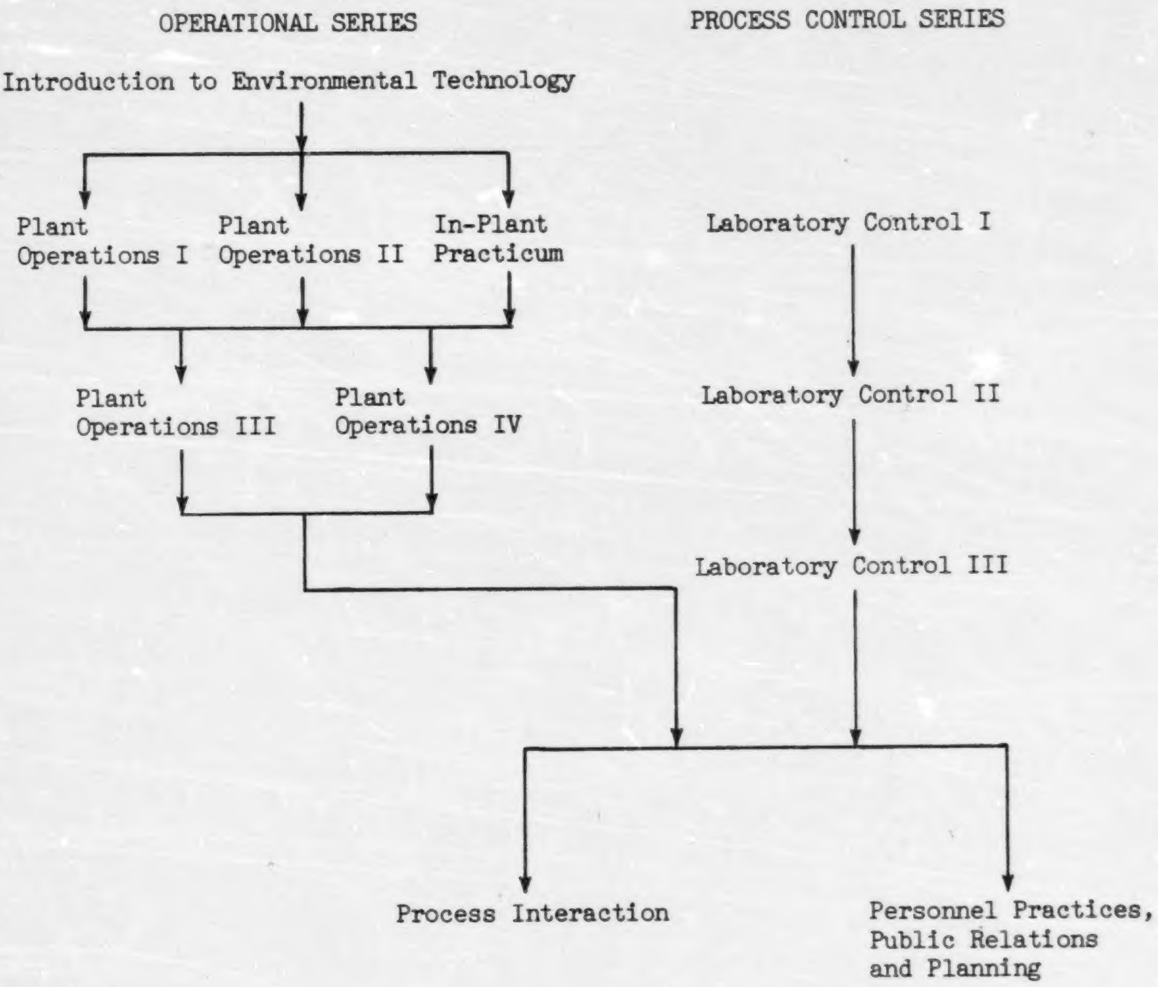
*Courses outside of the treatment field which relate to the nontechnical aspects of training treatment plant operators.

STUDY PROGRAM FOR AN OPERATOR WITH OPERATIONS SKILLS PREPARING FOR LABORATORY AND PROCESS CONTROL


Basic Biology*
Basic Chemistry*
Basic Math*
Laboratory Control I
(Volume IV)
Laboratory Control II
(Volume V)
Applied Math*
Process Interaction
(Volume V)

*Courses outside of the treatment field which relate to the nontechnical aspects of training treatment plant operators.

STUDY PROGRAM FOR AN OPERATOR PREPARING FOR PROCESS CONTROL OF AERATION AND SECONDARY SETTLING OF ACTIVATED SLUDGE


OPERATIONAL SERIES
PROCESS CONTROL SERIES
Introduction to Environmental Technology
Plant Operations I
Plant Operations II
In-Plant Practicum
Laboratory Control I
Plant Operations III
Plant Operations IV
Laboratory Control II
Laboratory Control III
Process Interaction
Personnel Practices, Public Relations and Planning

Detail of each course follows on pages 189, 190 and 191.

OPERATIONAL SERIES

Introduction to Environmental Technology
(Volume I)

Plant Operations I
(Volume II, Part B)

Module 8 Secondary Sedimentation

- Obj. 8.1 Identify the secondary sedimentation unit.
- Obj. 8.2 Describe the process in technical and nontechnical terms.
- Obj. 8.3 Describe the safety procedures and explain how the procedures protect employees and visitors.
- Obj. 8.4 Identify the components. Explain the purpose of each, how it works and why it is important.
- Obj. 8.5 Describe the normal operation procedures for the components.
- Obj. 8.8 Describe the abnormal operation procedures for the process.
- Obj. 8.9 Describe the preventive maintenance procedures for the unit.
- Obj. 8.11 Describe the corrective maintenance procedures for the components.
- Obj. 8.14 Compare other secondary sedimentation units to the circular, peripheral-feed unit with suction.

Plant Operations II
(Volume II, Part B)

Module 7 Aeration

- Obj. 7.1 Identify the aeration unit.
- Obj. 7.2 Describe the process in technical and nontechnical terms.
- Obj. 7.3 Describe the safety procedures and explain how the procedures protect employees and visitors.
- Obj. 7.4 Identify the components of this unit. Explain the purpose of each component, how it works and why it is important.
- Obj. 7.5 Describe the normal operation procedures for the components.
- Obj. 7.8 Describe the abnormal operation procedures for the process.
- Obj. 7.9 Describe the preventive maintenance procedures for the unit.
- Obj. 7.11 Describe the corrective maintenance procedures for the components.
- Obj. 7.14 Compare other aeration units to the diffused air unit with swing-type diffuser producing fine bubbles.

In-Plant Practicum
(Plant Operations, Volume II, Part B)

Module 7 Aeration

- Obj. 7.6 Perform the normal operation procedures for this unit.
- Obj. 7.7 Describe and perform the start-up and shut-down procedures.
- Obj. 7.13 Perform the safety procedures and demonstrate how they protect employees and visitors.

Module 8 Secondary Sedimentation

- Obj. 8.6 Perform the normal operation procedures for this unit.
- Obj. 8.7 Describe and perform the start-up and shut-down procedures.
- Obj. 8.13 Perform the safety procedures and demonstrate how they protect employees and visitors.

Plant Operations III
(Volume II, Part B)

Module 7 Aeration
- Obj. 7.10 Perform the preventive maintenance procedures for this unit.
- Obj. 7.12 Perform the corrective maintenance procedures for the components.
- Obj. 7.13 Perform the safety procedures and demonstrate how they protect employees and visitors.
- Obj. 7.15 Name and locate the components. Name and select reference materials which explain the normal operation procedures, the purpose of each component, how the component works and why it is important.

Module 8 Secondary Sedimentation
- Obj. 8.10 Perform the preventive maintenance procedures for this unit.
- Obj. 8.12 Perform the corrective maintenance procedures for the components.
- Obj. 8.13 Perform the safety procedures and demonstrate how they protect employees and visitors.
- Obj. 8.15 Name and locate the components. Name and select reference materials which explain the normal operation procedures, the purpose of each component, how the component works and why it is important.

Plant Operations IV
(Volume II, Part B)

Module 7 Aeration
- Obj. 7.13 Perform the safety procedures for this unit and demonstrate how they protect employees and visitors.
- Obj. 7.16 Perform the abnormal operation procedures for this unit.

Module 8 Secondary Sedimentation
- Obj. 8.13 Perform the safety procedures for this unit and demonstrate how they protect employees and visitors.
- Obj. 8.16 Perform the abnormal operation procedures for this unit.

Prerequisite to courses in final quarter of the process control series outlined on page 191.

PROCESS CONTROL SERIES

These courses begin the second quarter and are concurrent to the operational series.

Laboratory Control I
(Volume III, Parts A, B, C, F)

Module A — Standard References
Module B — National Pollutant Discharge Elimination System
Module C — Safety
Module 4 — pH
  Obj. 4.6 — Plan the laboratory control procedures for monitoring pH.
Module 9 — Dissolved Oxygen
  Obj. 9.6 — Plan the laboratory control procedures for monitoring DO.
Module 25 — Total Suspended Solids
  Obj. 25.6 — Plan the laboratory control procedures for monitoring total suspended solids.

Laboratory Control III
(Volume III, Parts B, C, F, G)

Module 4 — pH
Module 6 — Biochemical Oxygen Demand
Module 7 — Chemical Oxygen Demand
Module 9 — Dissolved Oxygen
Module 25 — Total Suspended Solids
Module 27 — Characteristics of Activated Sludge

Obj. 4.5
Obj. 6.5
Obj. 7.5
Obj. 9.5
Obj. 25.5
Obj. 27.5
Determine the operational efficiency of a process unit or combination of process units by interpreting the results of analyses for each unit.

Laboratory Control II
(Volume III, Parts C, G)

Module 6 — Biochemical Oxygen Demand
  Obj. 6.6 — Plan the laboratory control procedures for monitoring BOD.
Module 7 — Chemical Oxygen Demand
  Obj. 7.6 — Plan the laboratory control procedures for monitoring COD.
Module 27 — Characteristics of Activated Sludge
  Obj. 27.6 — Plan the laboratory control procedures for monitoring activated sludge.

Process Interaction
(Volume V)

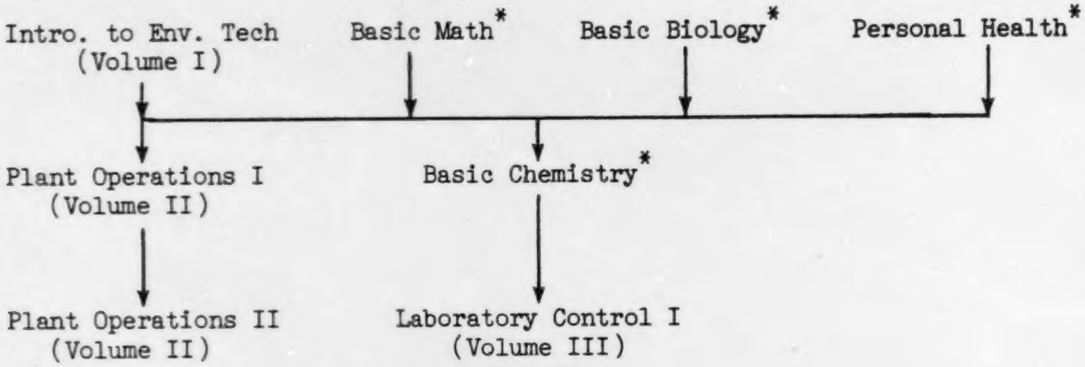
Module 1 — Treatment Provided By Process Units
  Obj. 1.1 — Name the process units which will bring about prescribed changes in a wastestream and describe how these changes are accomplished.
Module 2 — Effects of Industrial Wastes on Operations
  Obj. 2.1 — Describe the effect of a waste on the operation of a process or on a receiving stream.

Personnel Practices, Public Relations and Planning
(Volume IV)

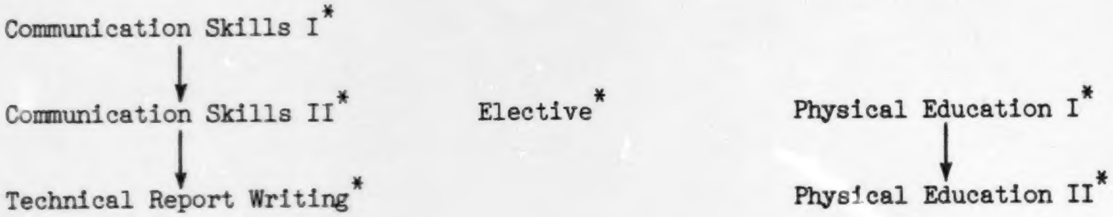
Module 14 — Maintaining Daily Operational Control
  Obj. 14.1 — Describe procedures for recommending operational changes.
  Obj. 14.2 — Recommend operational changes.

STUDY PROGRAM FOR A STUDENT PREPARING FOR A CAREER IN WASTEWATER TREATMENT

Quarters 1, 2 and 3 Operations Courses with Prerequisite Courses

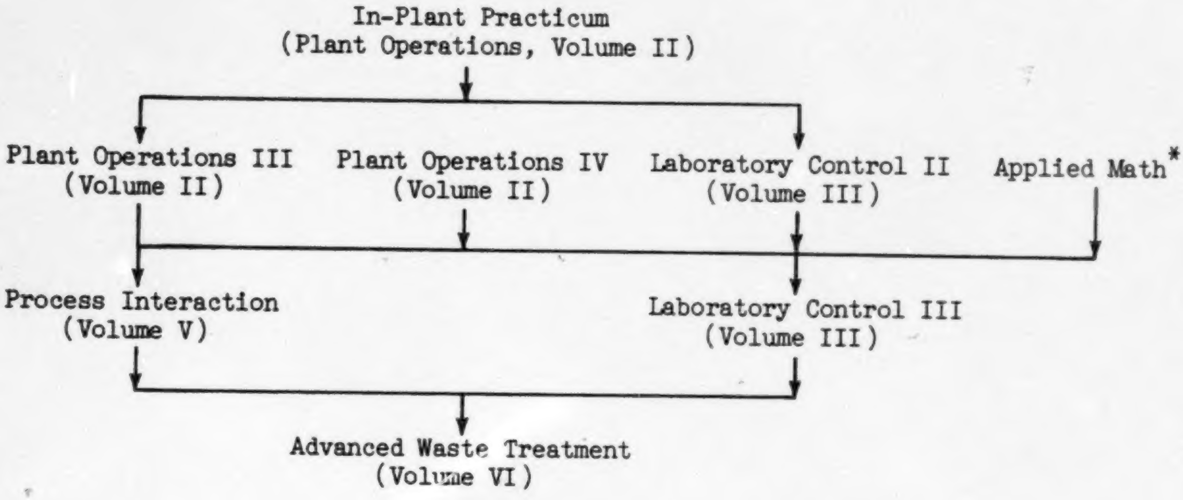

Intro. to Env. Tech (Volume I)
Basic Math*
Basic Biology*
Personal Health*
Plant Operations I (Volume II)
Basic Chemistry*
Plant Operations II (Volume II)
Laboratory Control I (Volume III)

Quarters 1, 2 and 3 Concurrent Courses

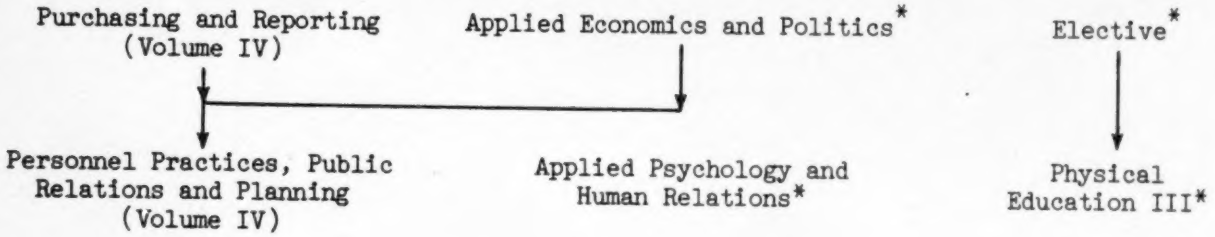

Communication Skills I*
Communication Skills II*
Technical Report Writing*
Elective*
Physical Education I*
Physical Education II*

*Courses outside of the treatment field which relate to the nontechnical aspects of training treatment plant operators.

Quarters 4, 5, 6 and 7 Operations Courses with Prerequisite Courses


In-Plant Practicum
(Plant Operations, Volume II)
Plant Operations III
(Volume II)
Plant Operations IV
(Volume II)
Laboratory Control II
(Volume III)
Applied Math*
Process Interaction
(Volume V)
Laboratory Control III
(Volume III)
Advanced Waste Treatment
(Volume VI)

Quarters 6 and 7 Concurrent Courses


Purchasing and Reporting
(Volume IV)
Applied Economics and Politics*
Elective*
Personnel Practices, Public
Relations and Planning
(Volume IV)
Applied Psychology and
Human Relations*
Physical
Education III*

*Courses outside of the treatment field which relate to the nontechnical aspects of training treatment plant operators.